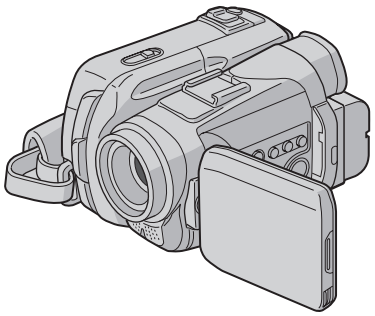
JVC

SCHEMATIC DIAGRAMS

DIGITAL VIDEO CAMERA

GR-DF430US, GR-DF450US, GR-DF470US

CD-ROM No.SML200504



Mini DV NTSC

SD

MultiMediaCard

GR-DF430USM[M5D5S3],
GR-DF450USM[M5D5S5],
GR-DF470USM[M5D5S7]

For disassembling and assembling of MECHANISM ASSEMBLY, refer to the SERVICE MANUAL No.86700(MECHANISM ASSEMBLY).

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No.YF089SCH
2005/4

CHARTS AND DIAGRAMS

NOTES OF SCHEMATIC DIAGRAM

Safety precautions
The Components indentified by the symbol ⚠ are critical for safety. For continued safety, replace safety critical components only with manufacturer's recommended parts.

1. Units of components on the schematic diagram

Unless otherwise specified.

1) All resistance values are in ohm. 1/6 W, 1/8 W (refer to parts list).
   Chip resistors are 1/16 W.
   K: KΩ(1000Ω), M: MΩ (1000KΩ)
2) All capacitance values are in μF, (P: PF).
3) All inductance values are in μH, (m: mH).
4) All diodes are 1SS133, MA165 or 1N4148M (refer to parts list).

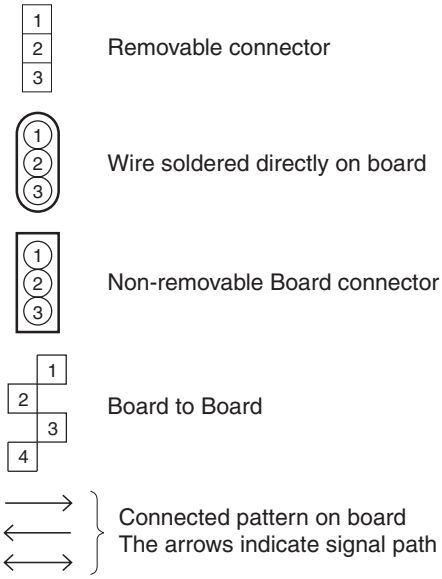
Note: The Parts Number, value and rated voltage etc. in the Schematic Diagram are for references only. When replacing the parts, refer to the Parts List.

2. Indications of control voltage

AUX : Active at high.

$\overline{\text{AUX}}$ or AUX(L) : Active at low.

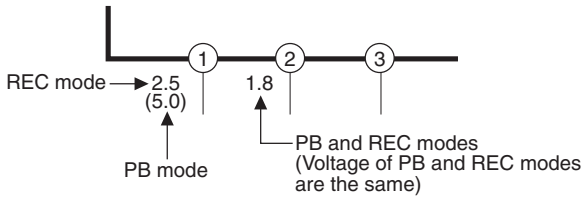
3. Interpreting Connector indications



Note: For the destination of each signal and further line connections that are cut off from the diagram, refer to "BOARD INTERCONNECTIONS"

4. Voltage measurement

1) Regulator (DC/DC CONV) circuits
   REC : Colour bar signal.
   PB : Alignment tape (Colour bar).
   — : Unmeasurable or unnecessary to measure.
2) Indication on schematic diagram
   Voltage indications for REC and PB mode on the schematic diagram are as shown below.

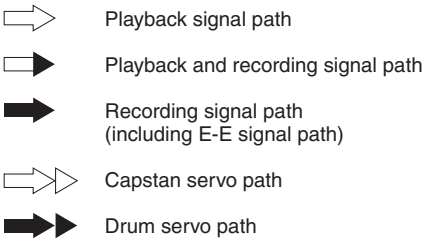


Note: If the voltages are not indicated on the schematic diagram, refer to the voltage charts.

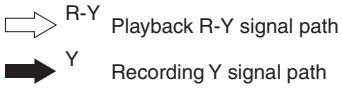
5. Signal path Symbols

The arrows indicate the signal path as follows.

NOTE : The arrow is DVC unique object.

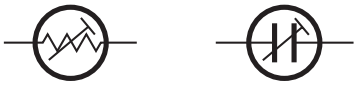


(Example)



6. Indication of the parts for adjustments

The parts for the adjustments are surrounded with the circle as shown below.



7. Indication of the parts not mounted on the circuit board

"OPEN" is indicated by the parts not mounted on the circuit board.

CIRCUIT BOARD NOTES

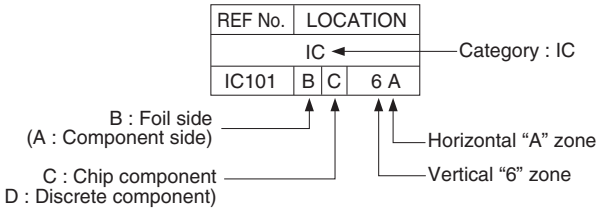
1. Foil and Component sides

1) Foil side (B side) :
   Parts on the foil side seen from foil face (pattern face) are indicated.
2) Component side (A side) :
   Parts on the component side seen from component face (parts face) indicated.

rts location are indicated by guide scale on the circuit board.

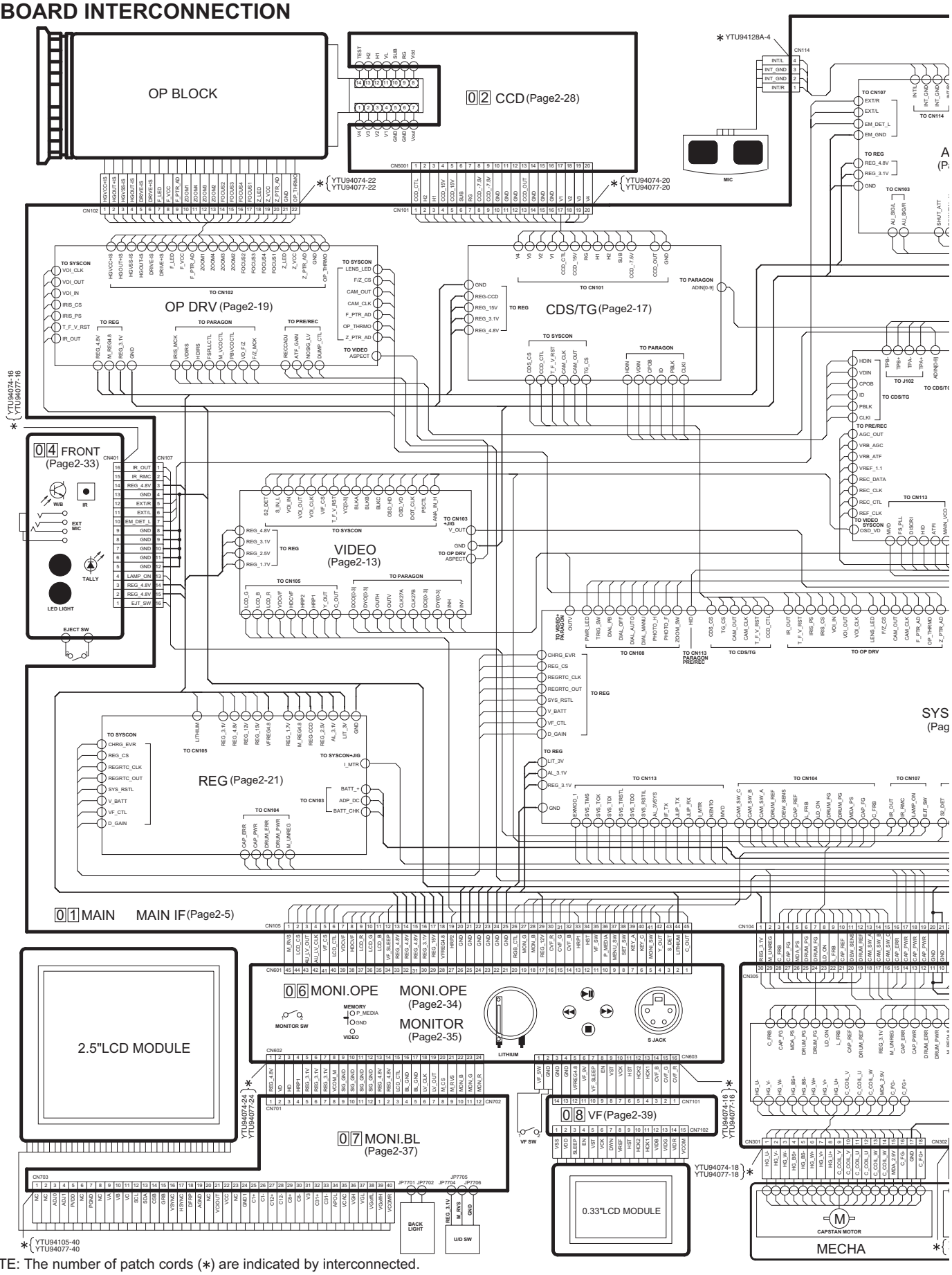
2. Parts location guides

Parts location are indicated by guide scale on the circuit board.

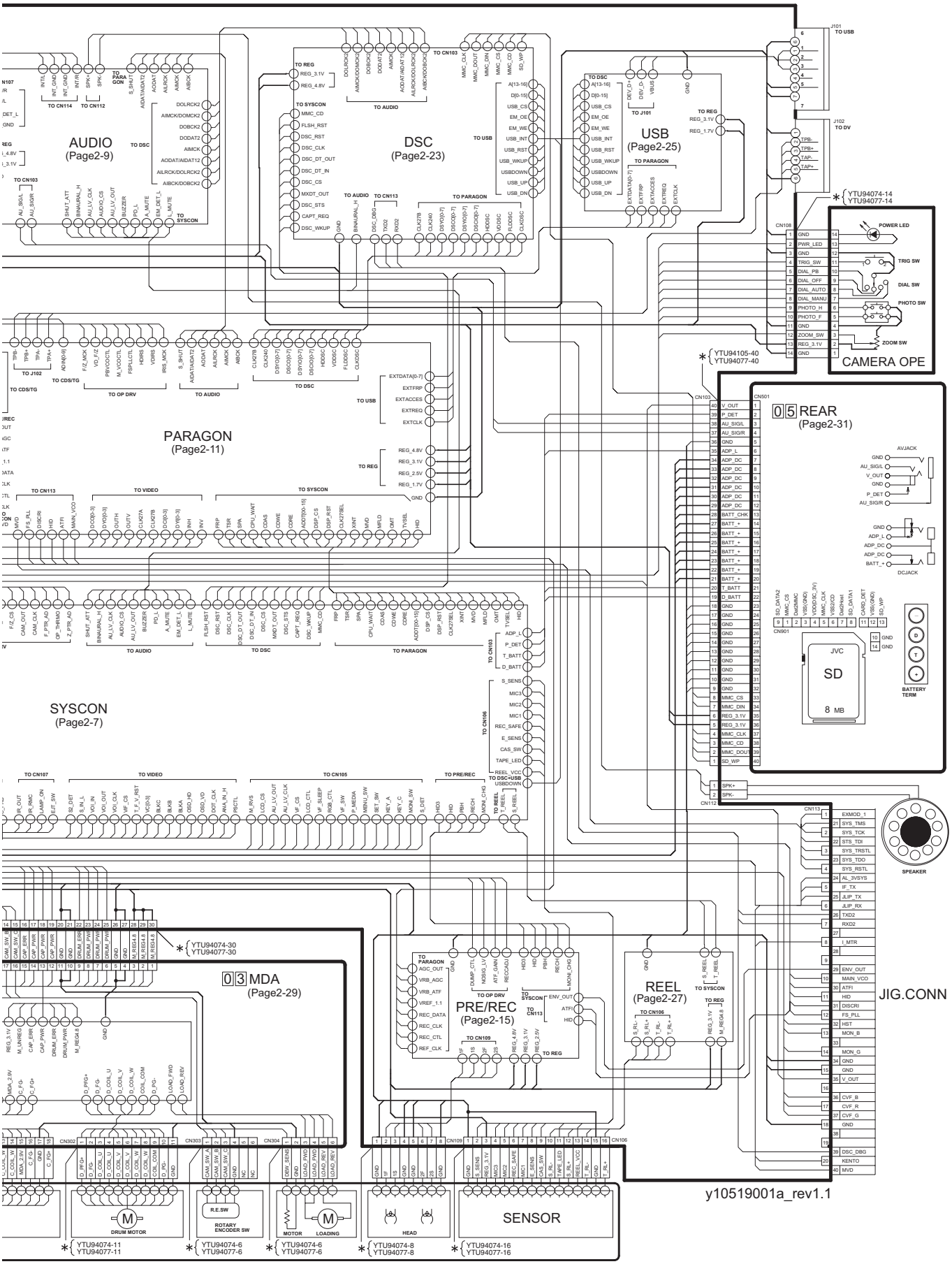


Note: For general information in service manual, please refer to the Service Manual of GENERAL INFORMATION Edition 4 No. 82054D (January 1994).

■ BOARD INTERCONNECTION



NOTE: The number of patch cords (*) are indicated by interconnected.


AUDIO
(Page2-9)
DSC
(Page2-23)
USB
(Page2-25)
PARAGON
(Page2-11)
SYSCON
(Page2-7)
0 5 REAR
(Page2-31)
CAMERA OPE
0 3 MDA
(Page2-29)
PRE/REC
(Page2-15)
REEL
(Page2-27)
JIG.CONN
SENSOR
DRUM MOTOR
ROTARY ENCODER SW
MOTOR
LOADING
HEAD
SPEAKER
BATTERY TERM
POWER LED
TRIG SW
DIAL SW
PHOTO SW
ZOOM SW
AVJACK
DCJACK
JVC
SD
8 MB
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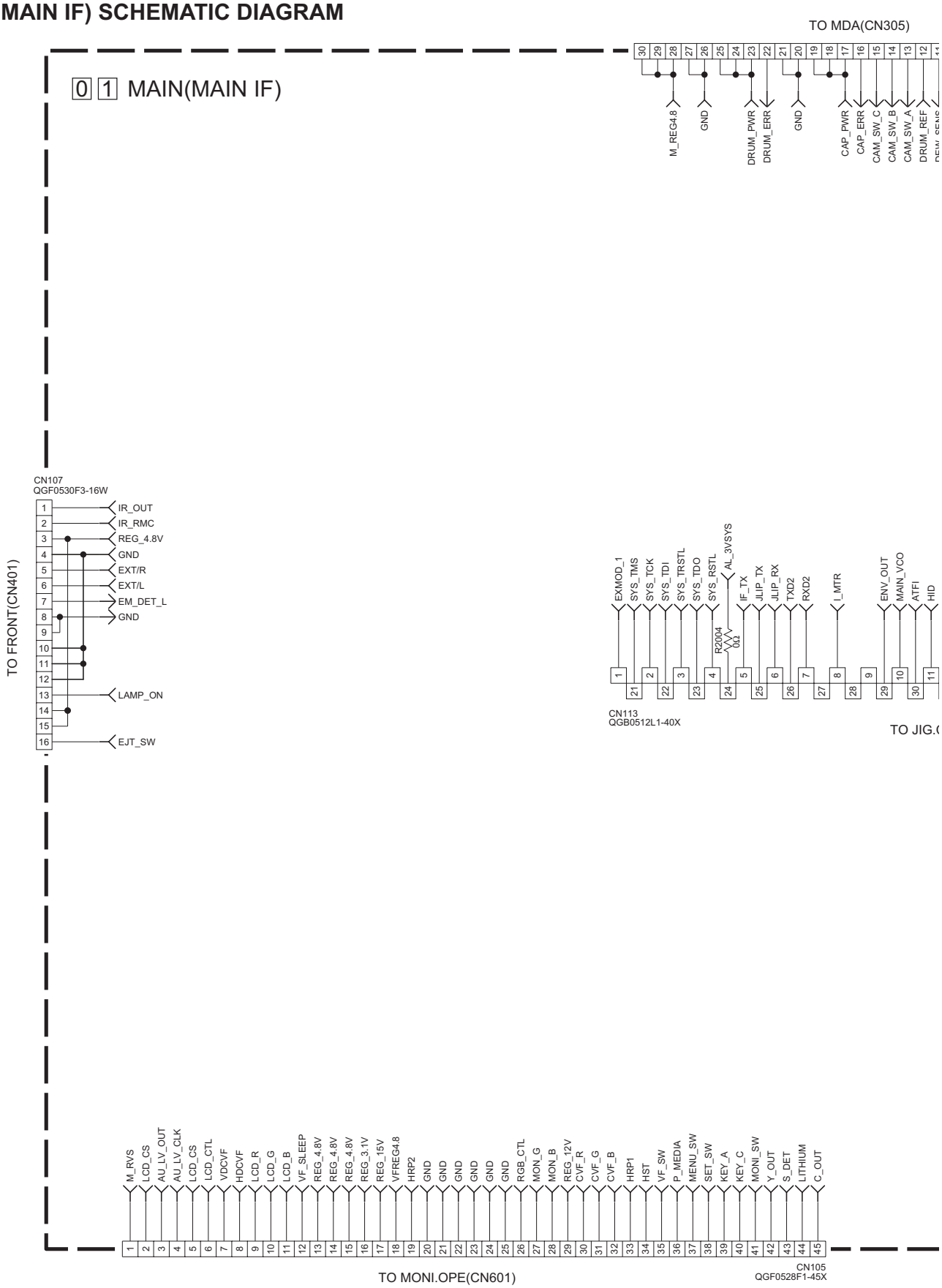
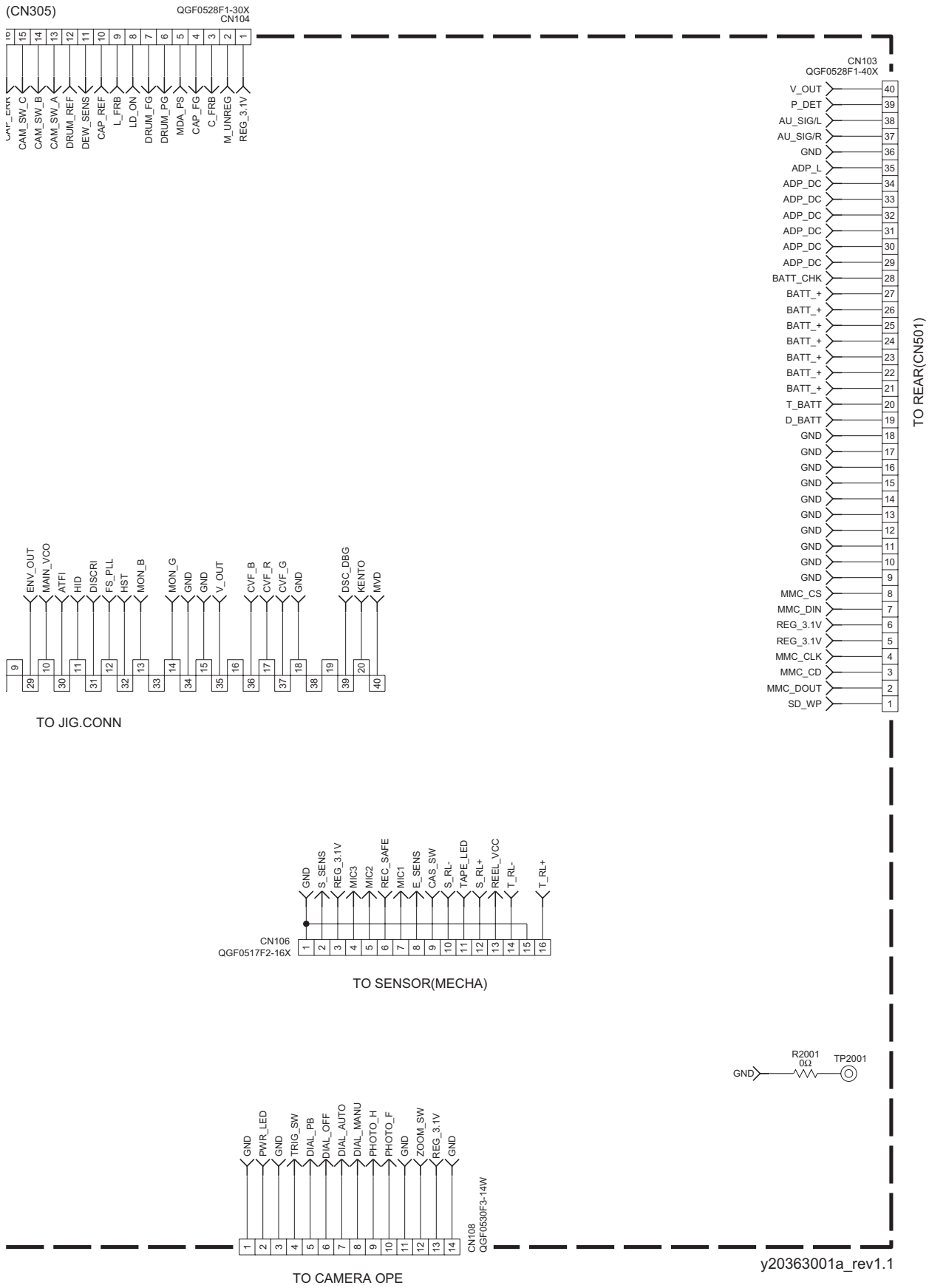
■ MAIN(MAIN IF) SCHEMATIC DIAGRAM



NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.


(CN305)
QGF0528F1-30X
CN104
CAM_SW_C
CAM_SW_B
CAM_SW_A
DRUM_REF
DEW_SENS
CAP_REF
L_FRB
LD_ON
DRUM_FG
DRUM_PG
MDA_PS
CAP_FG
C_FRB
M_UNREG
REG_3.1V
CN103
QGF0528F1-40X
V_OUT
P_DET
AU_SIG/L
AU_SIG/R
GND
ADP_L
ADP_DC
BATT_CHK
BATT_+
T_BATT
D_BATT
MMC_CS
MMC_DIN
REG_3.1V
MMC_CLK
MMC_CD
MMC_DOUT
SD_WP
TO REAR(CN501)
ENV_OUT
MAIN_VCO
ATFI
HID
DISCRI
FS_PLL
HST
MON_B
MON_G
V_OUT
CVF_B
CVF_R
CVF_G
DSC_DBG
KENTO
MVD
TO JIG.CONN
CN106
QGF0517F2-16X
S_SENS
REG_3.1V
MIC3
MIC2
REC_SAFE
MIC1
E_SENS
CAS_SW
S_RL-
TAPE_LED
S_RL+
REEL_VCC
T_RL-
T_RL+
TO SENSOR(MECHA)
R2001
0Ω
TP2001
CN108
QGF0530F3-14W
PWR_LED
TRIG_SW
DIAL_PB
DIAL_OFF
DIAL_AUTO
DIAL_MANU
PHOTO_H
PHOTO_F
ZOOM_SW
TO CAMERA OPE
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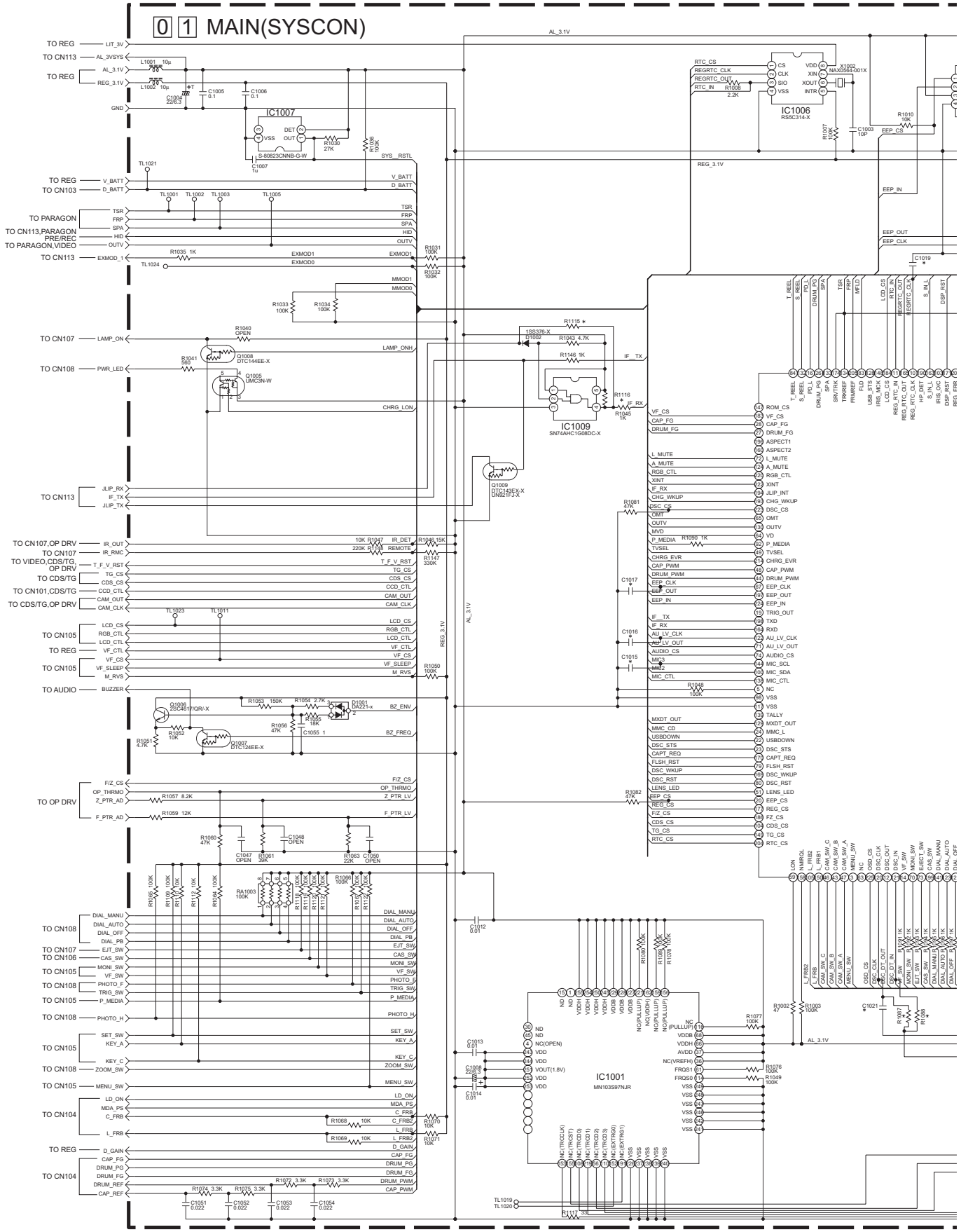
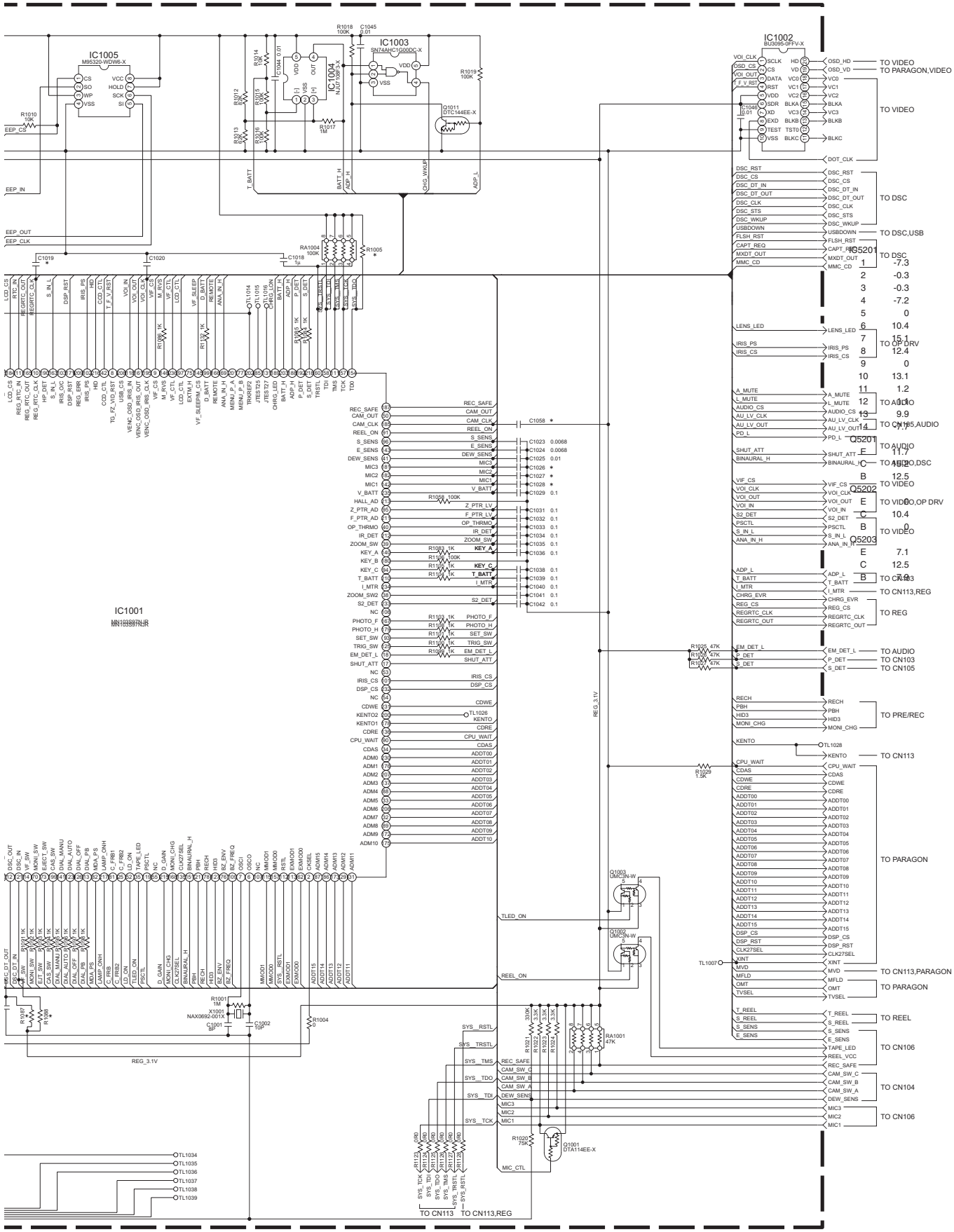
ONS".

■ MAIN(SYSCON) SCHEMATIC DIAGRAM



NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.



ONS".

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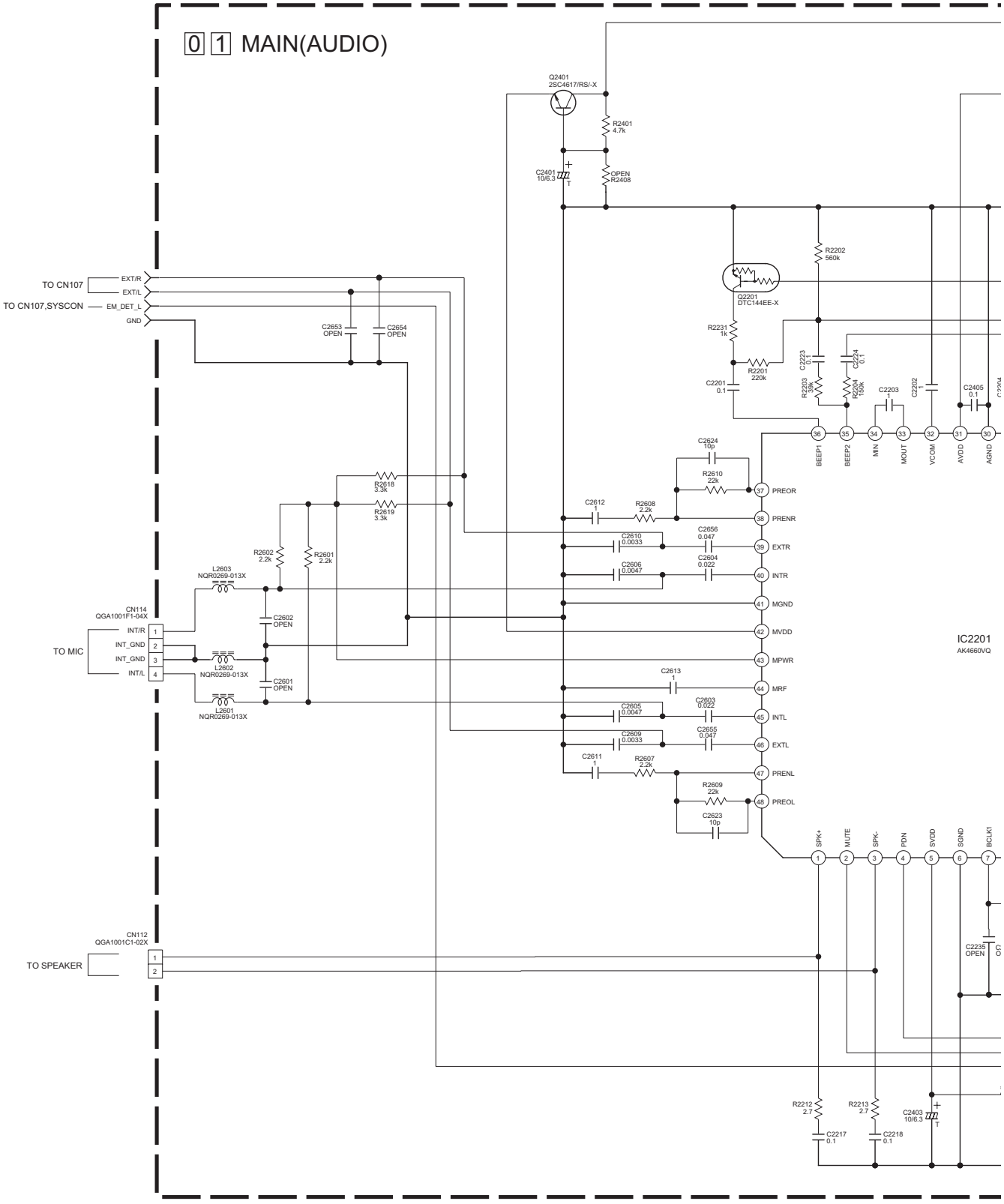
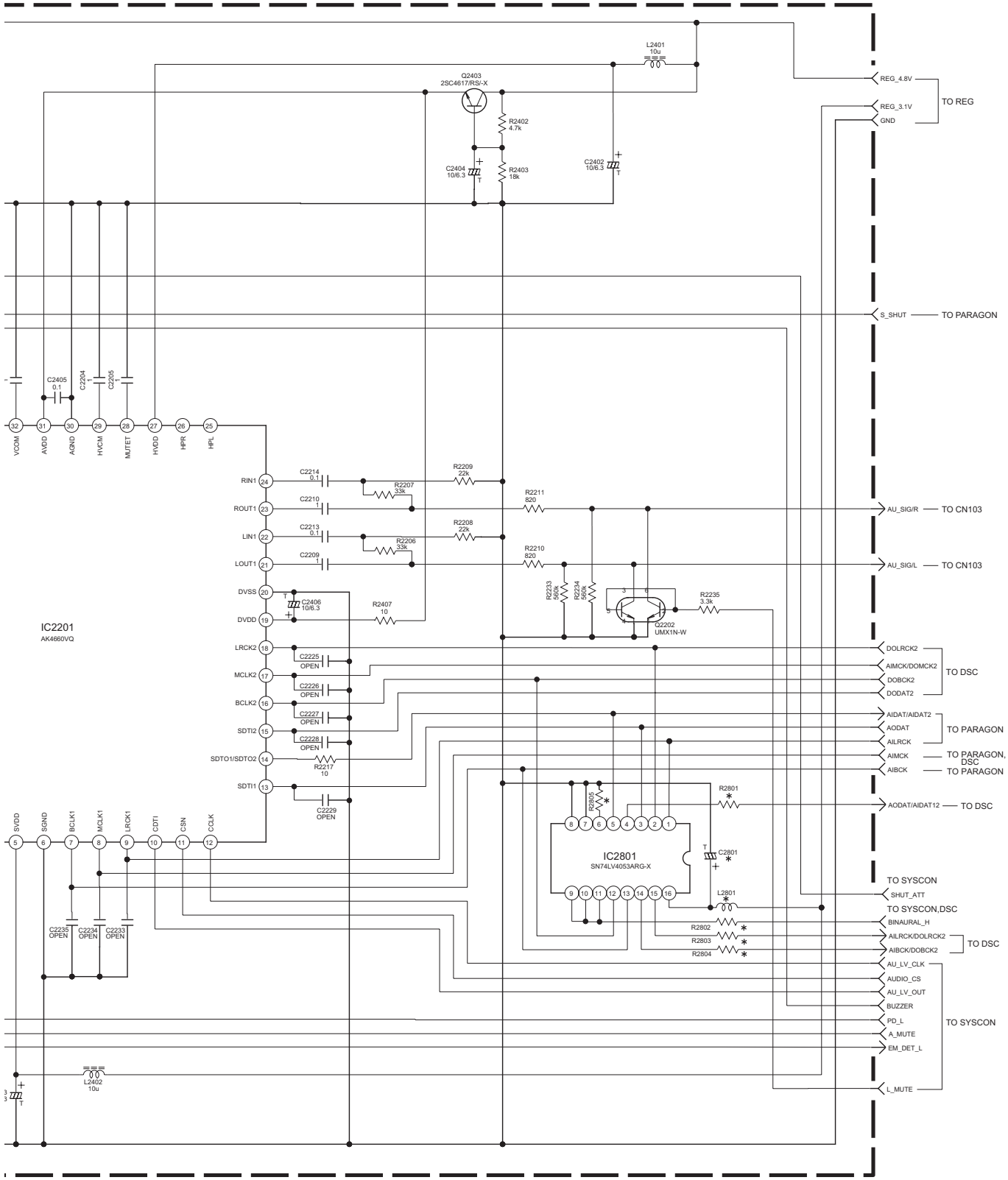
■ MAIN(AUDIO) SCHEMATIC DIAGRAM



NOTE: For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".



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SYMBOL LIST

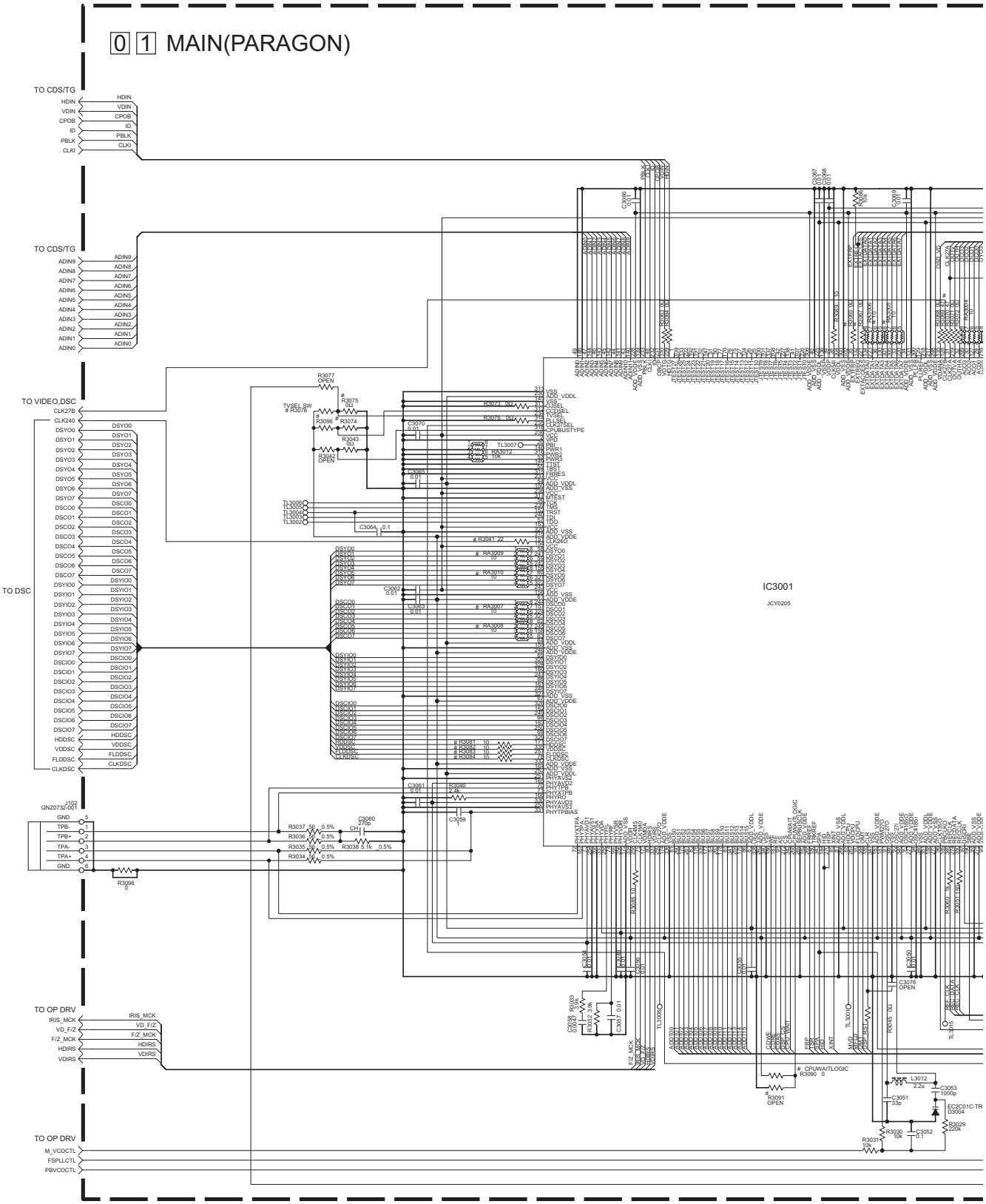
		LAST	VACANT	NO MOUNT
2200 (MAIN)	R	35	5,14~16,18~30,32	
	C	35	6~8,11,12,15,16,19~22,30~32	25~29,33~35
	Q	2		
2400 (REG)	R	8	4~6	8
	C	6		
	L	2		
	Q	3	2	
2600 (INT MIC)	R	19	3~6,11~17	
	C	24	7,8,14~22	1,2
	L	3		
2650 (EXT MIC)	C	56		53,54
2800 (BINAURAL)	IC	1		
	R	5	2-4	
	C	1		
	L	4		

∗ MODEL DIFFERENCE

	S2,S3	S4,S5	S6-S9
C2225	0Ω	OPEN	OPEN
C2226	0Ω	OPEN	OPEN
C2227	0Ω	OPEN	OPEN
C2228	0Ω	OPEN	OPEN
IC2801	OPEN	OPEN	SN74LV4053ARG
L2801	OPEN	OPEN	NQR0006-001X
C2801	OPEN	OPEN	10/6.3
R2801	OPEN	OPEN	0Ω
R2802	OPEN	OPEN	0Ω
R2803	OPEN	OPEN	0Ω
R2804	OPEN	OPEN	0Ω
R2805	OPEN	OPEN	0Ω

S".

■ MAIN(PARAGON) SCHEMATIC DIAGRAM



	R3075	R3078
PAL	OPEN	0 Ω
NTSC	0 Ω	OPEN

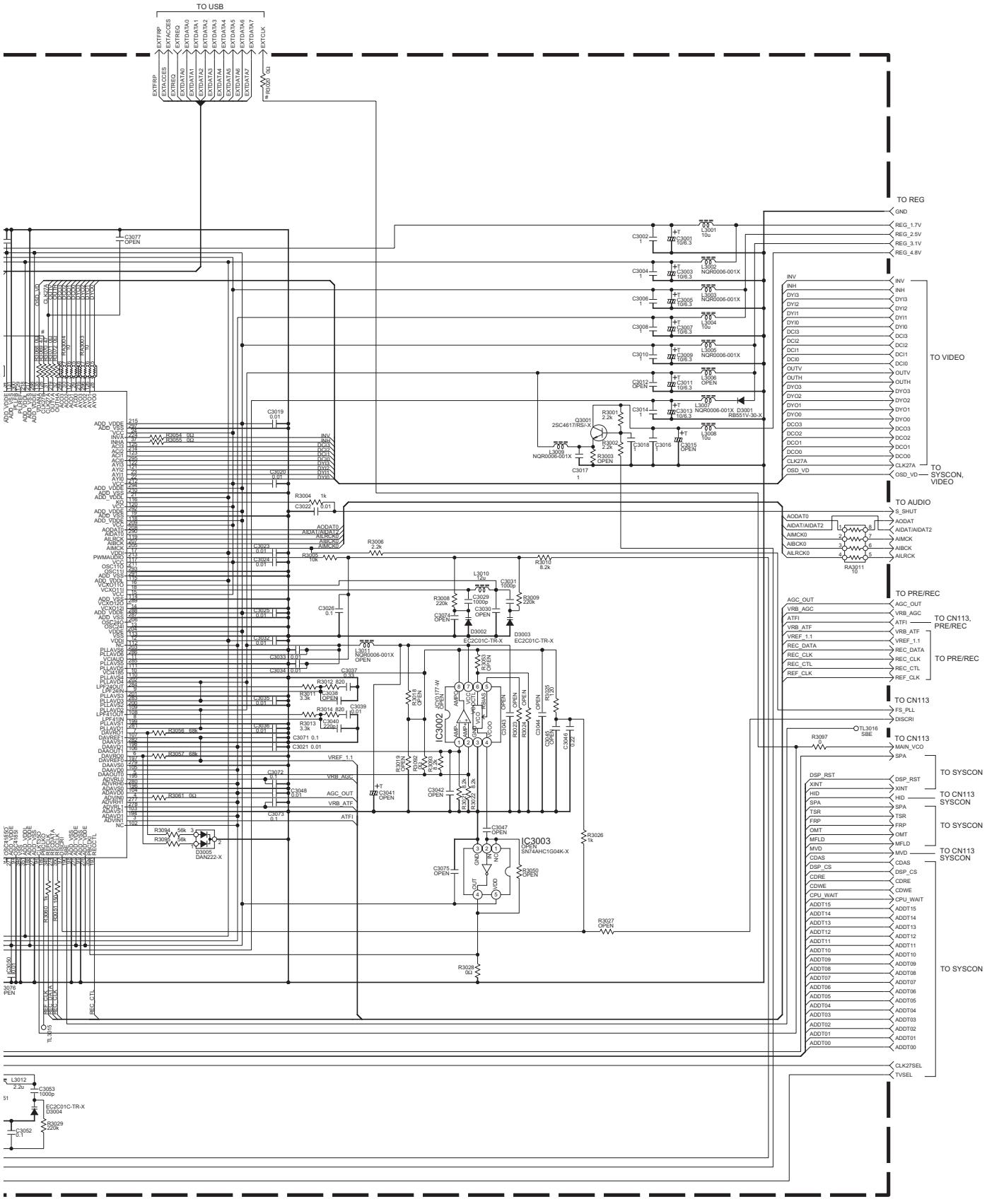
	R3090	R3091
Pana CPU	0 Ω	OPEN
NEC CPU	OPEN	0 Ω

	R3074	R3096
NonMEGA	0 Ω	OPEN
MEGA	OPEN	0 Ω

	RA3007-RA3010	R3081-R3084	R3069
with DSC	○	○	○
without DSC	×	×	×

	RA3005-3006	R3020	R3065
with MC20	○	○	○
without MC20	×	×	×

NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.

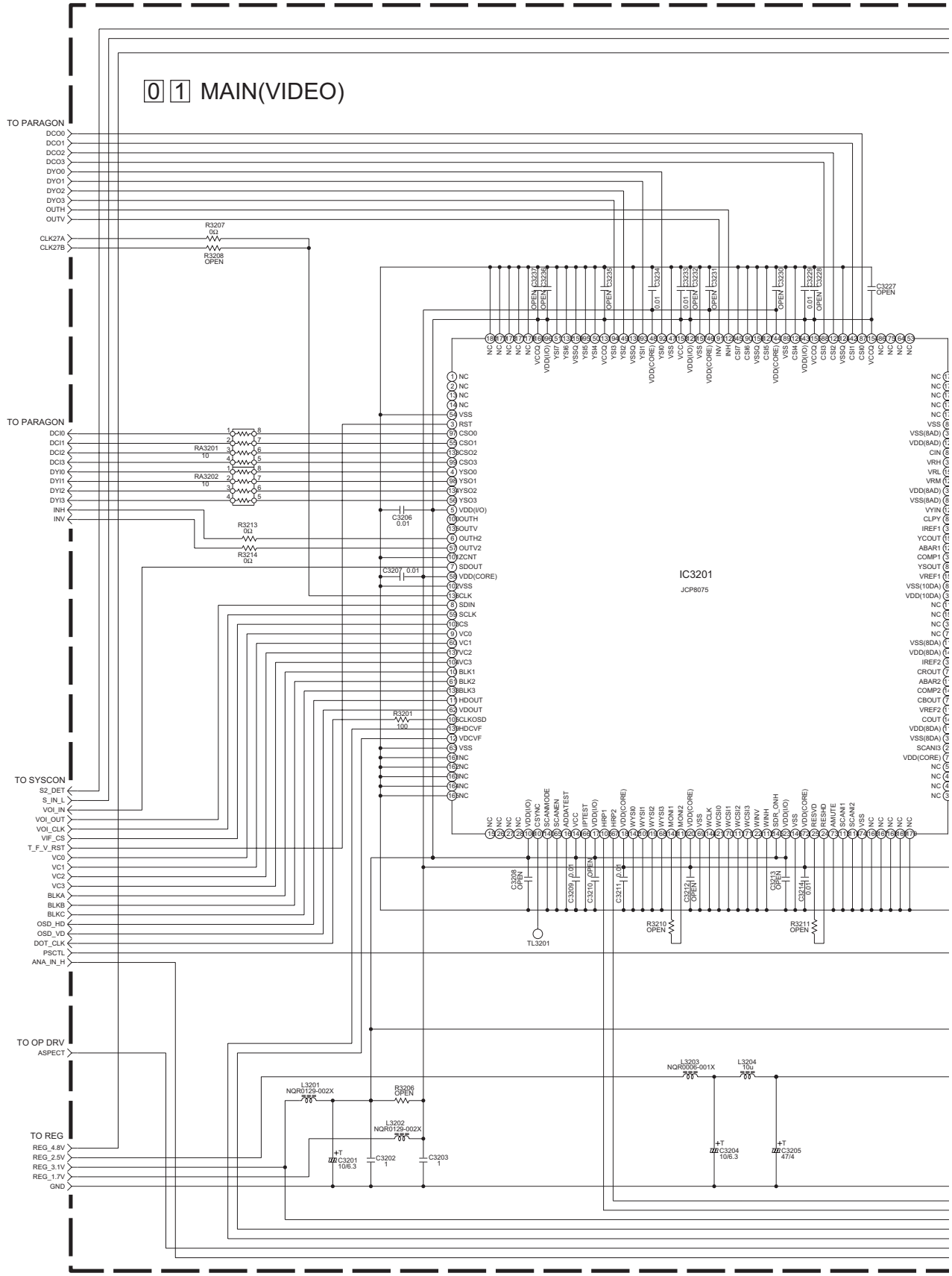


	R3005-3006	R3020	R3065	R3067
	○	○	○	○
	×	×	×	×

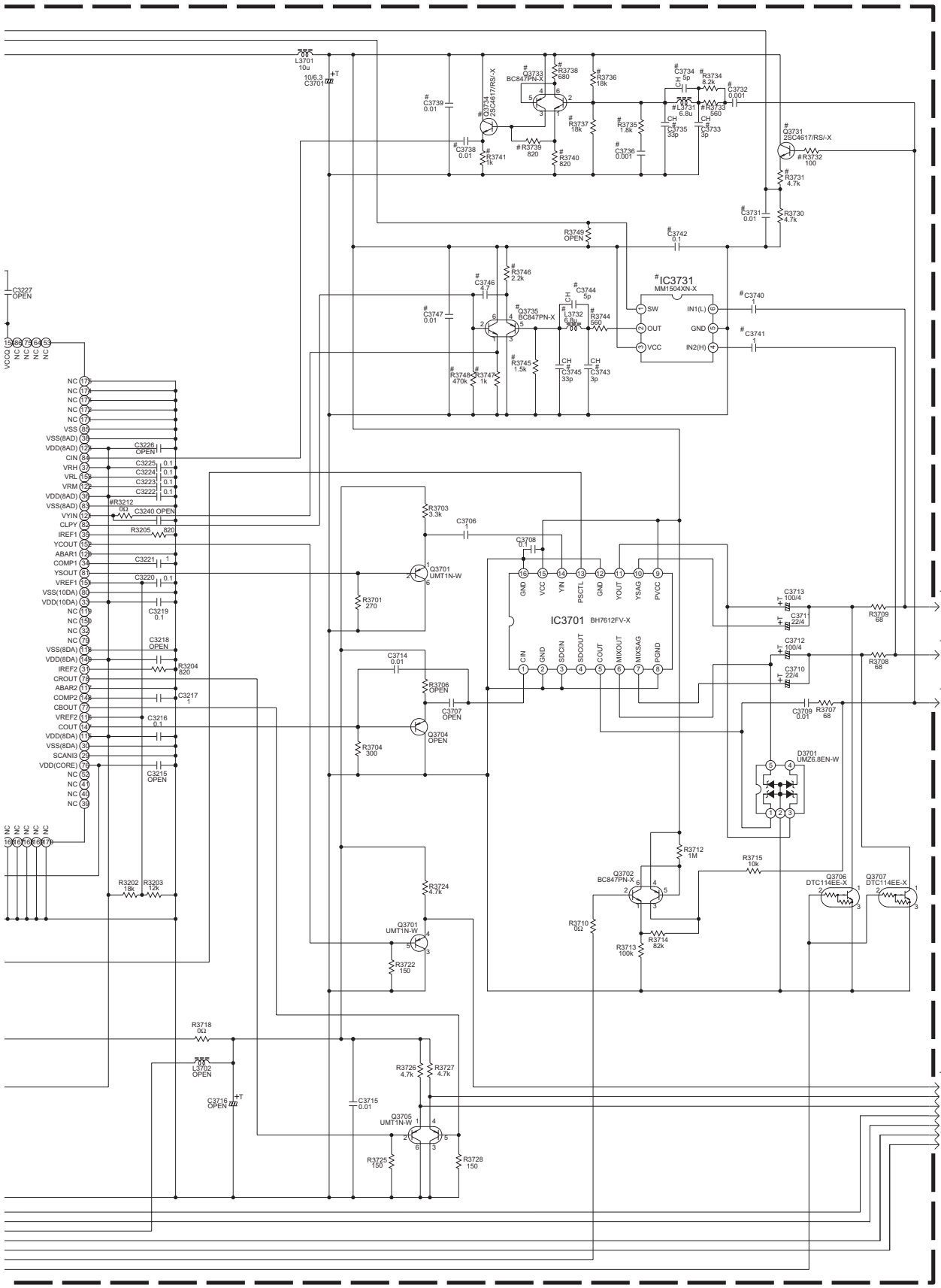
	R3041
with BINAURAL	×
without BINAURAL	○

ONS".

■ MAIN(VIDEO) SCHEMATIC DIAGRAM



NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.



	IC3731	Q3731, Q3733-Q3735	L3731,L3732	R3731-R3741 R3744-R3748	C3731-C3736 C3738-C3747	R3212
with ANALOG_INPUT	○	○	○	○	○	○
without ANASLOG_INPUT	×	×	×	×	×	×

ONS".

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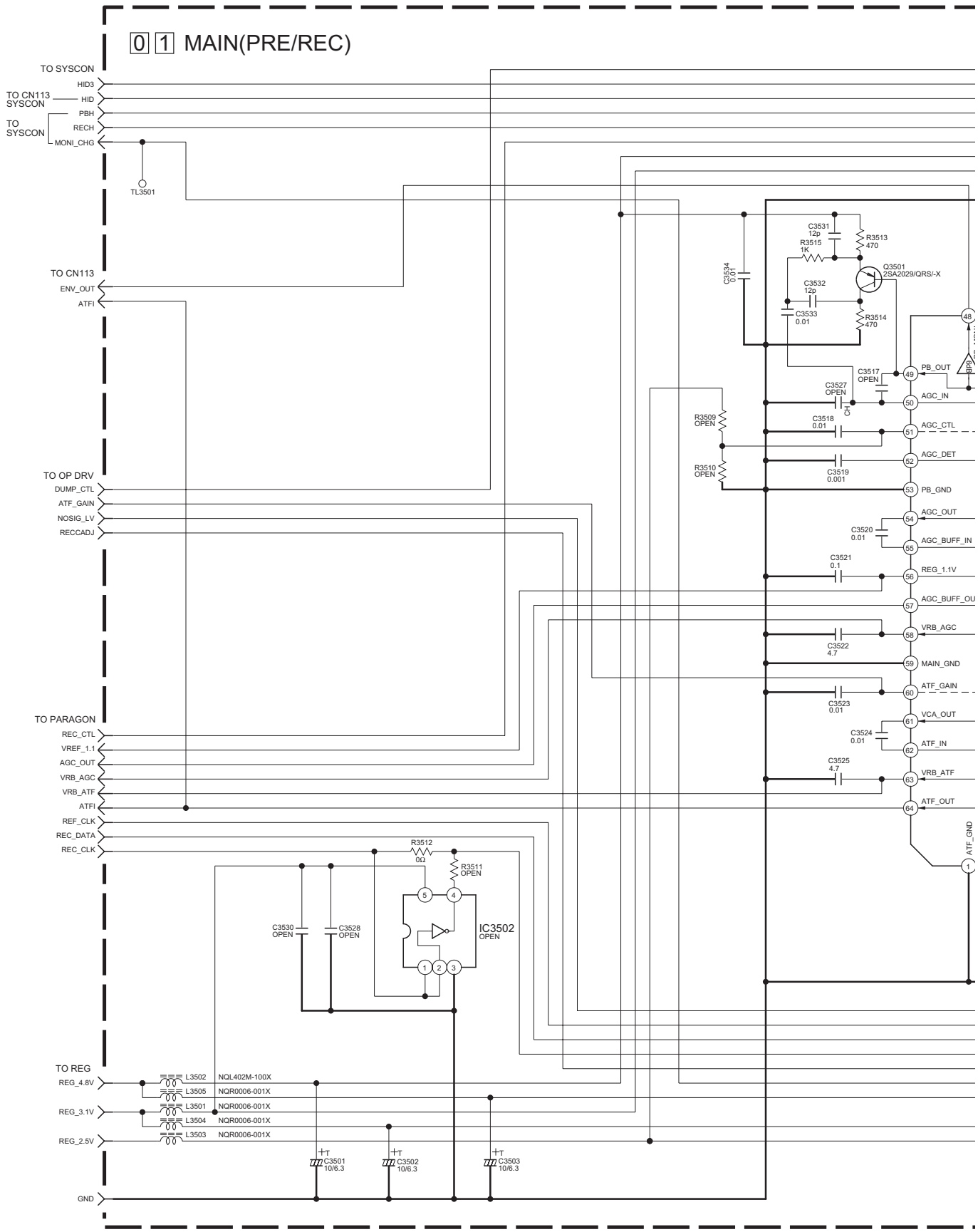
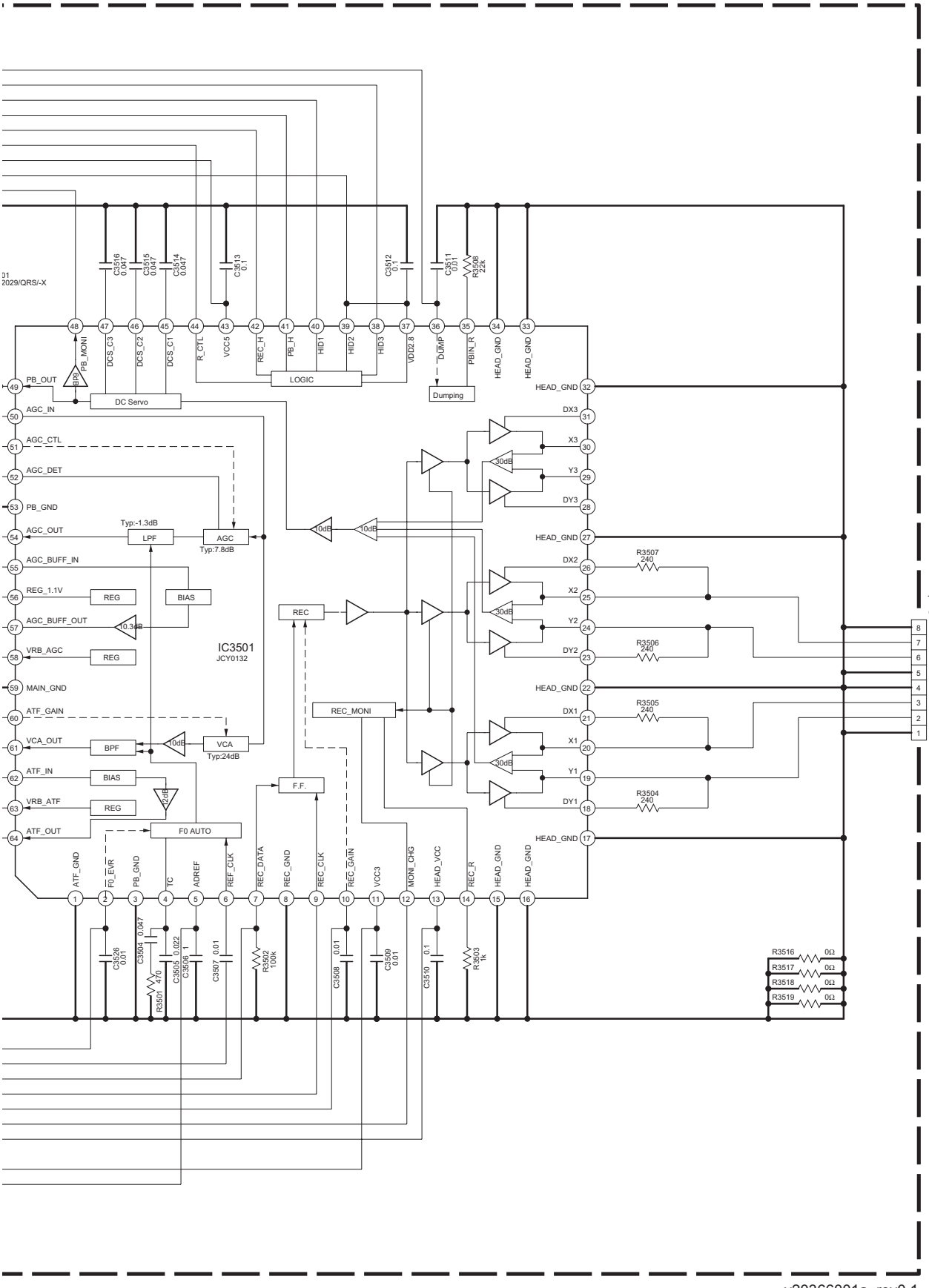
■ MAIN(PRE/REC) SCHEMATIC DIAGRAM



NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.



ONS".

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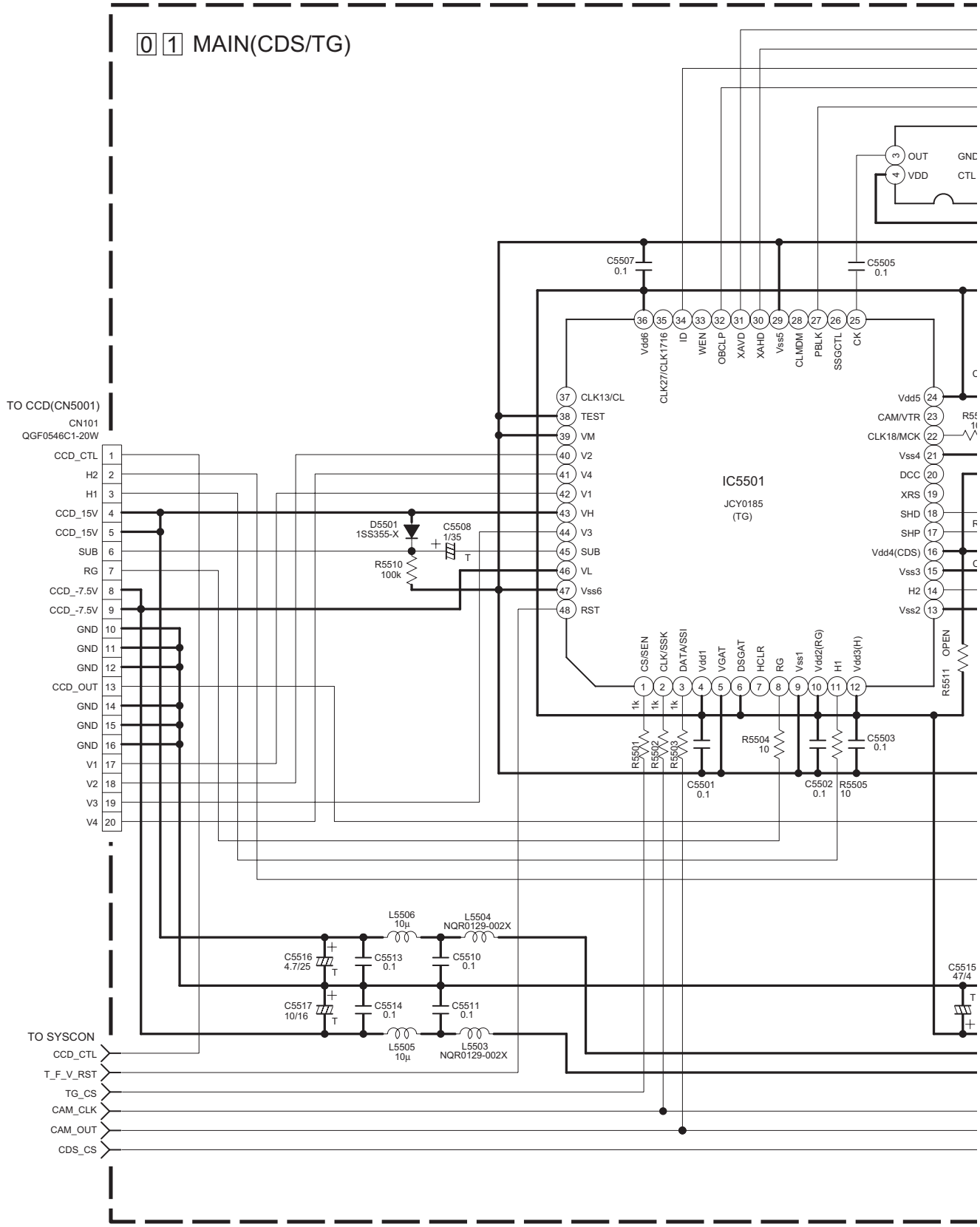
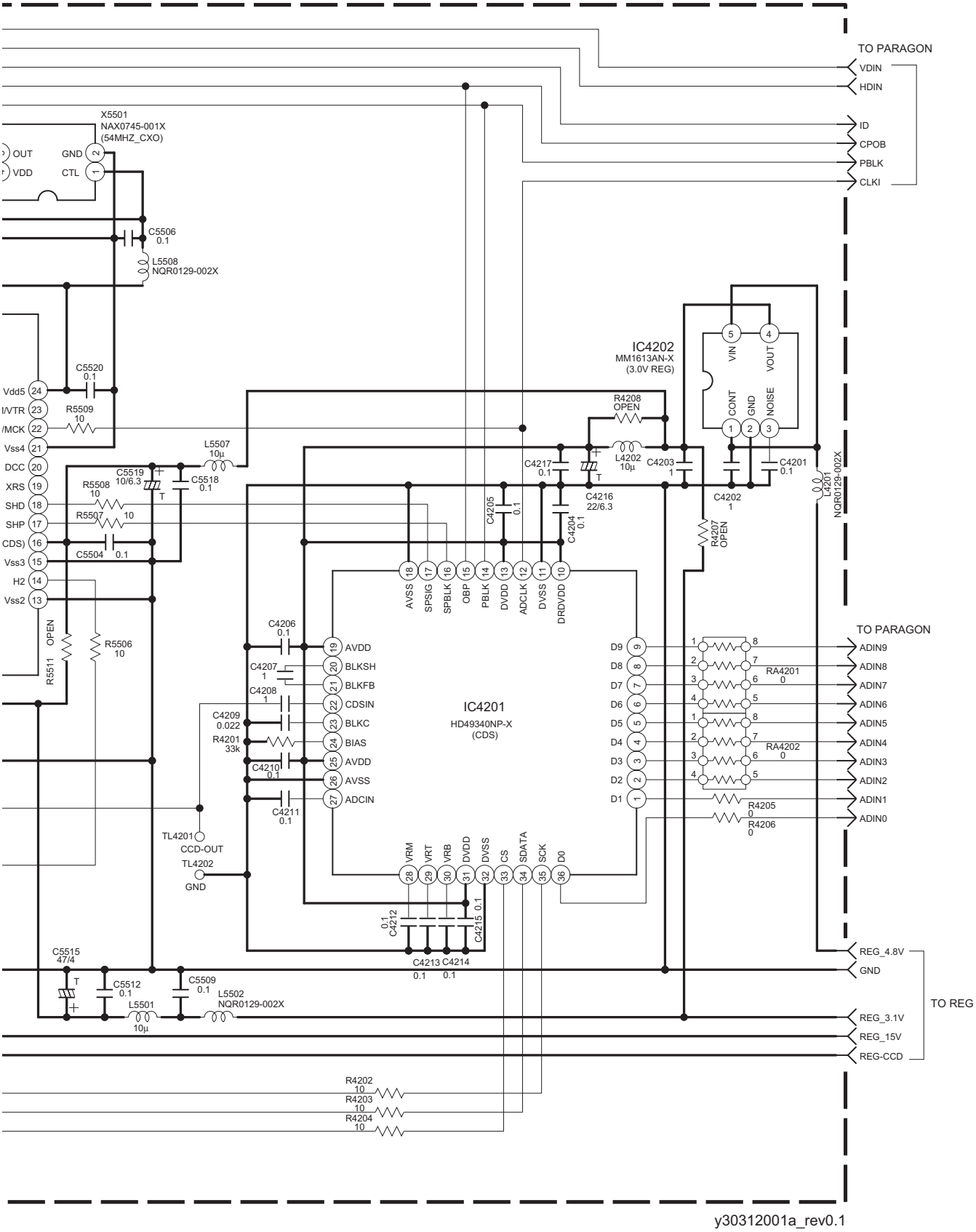
■ MAIN(CDS/TG) SCHEMATIC DIAGRAM



NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.



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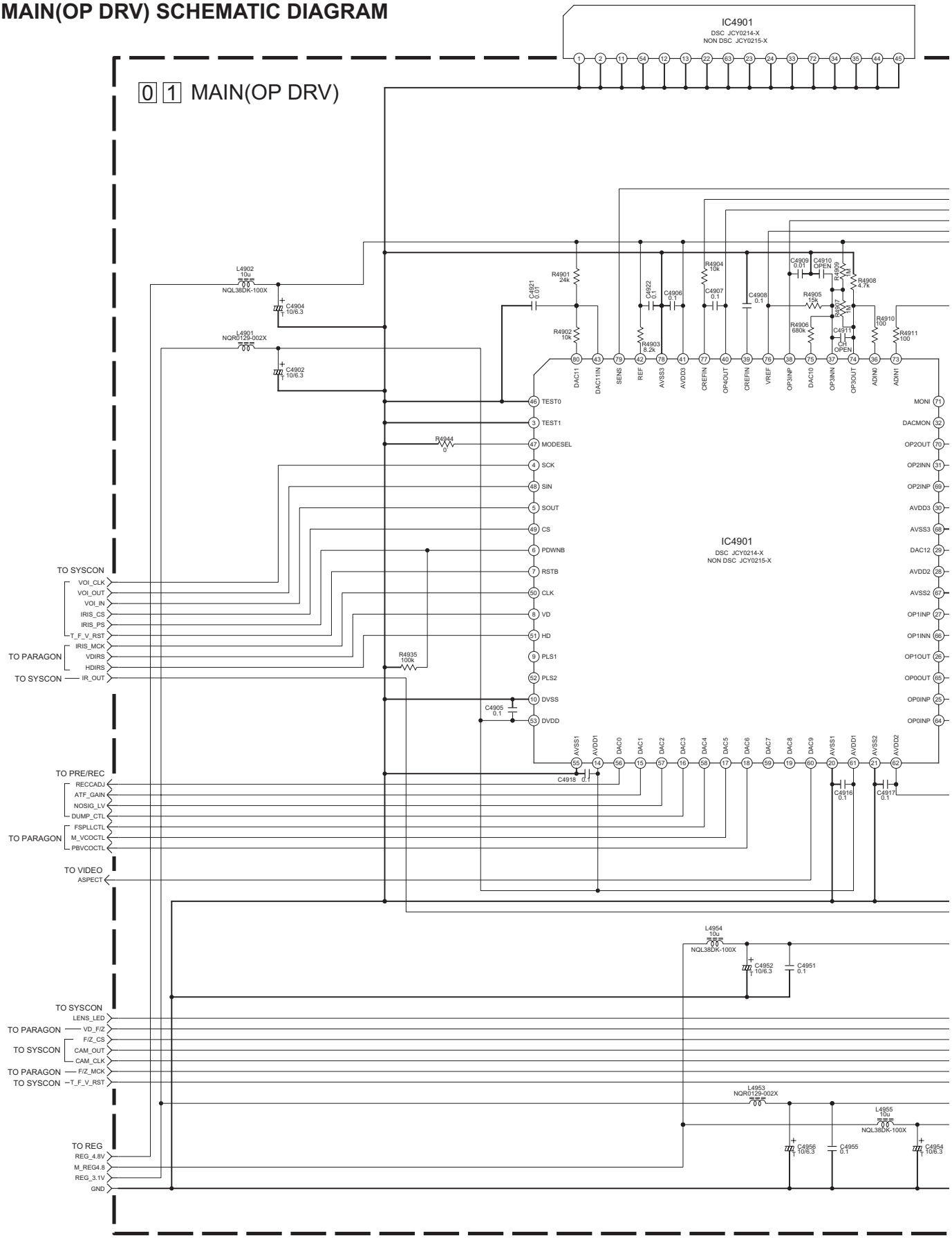
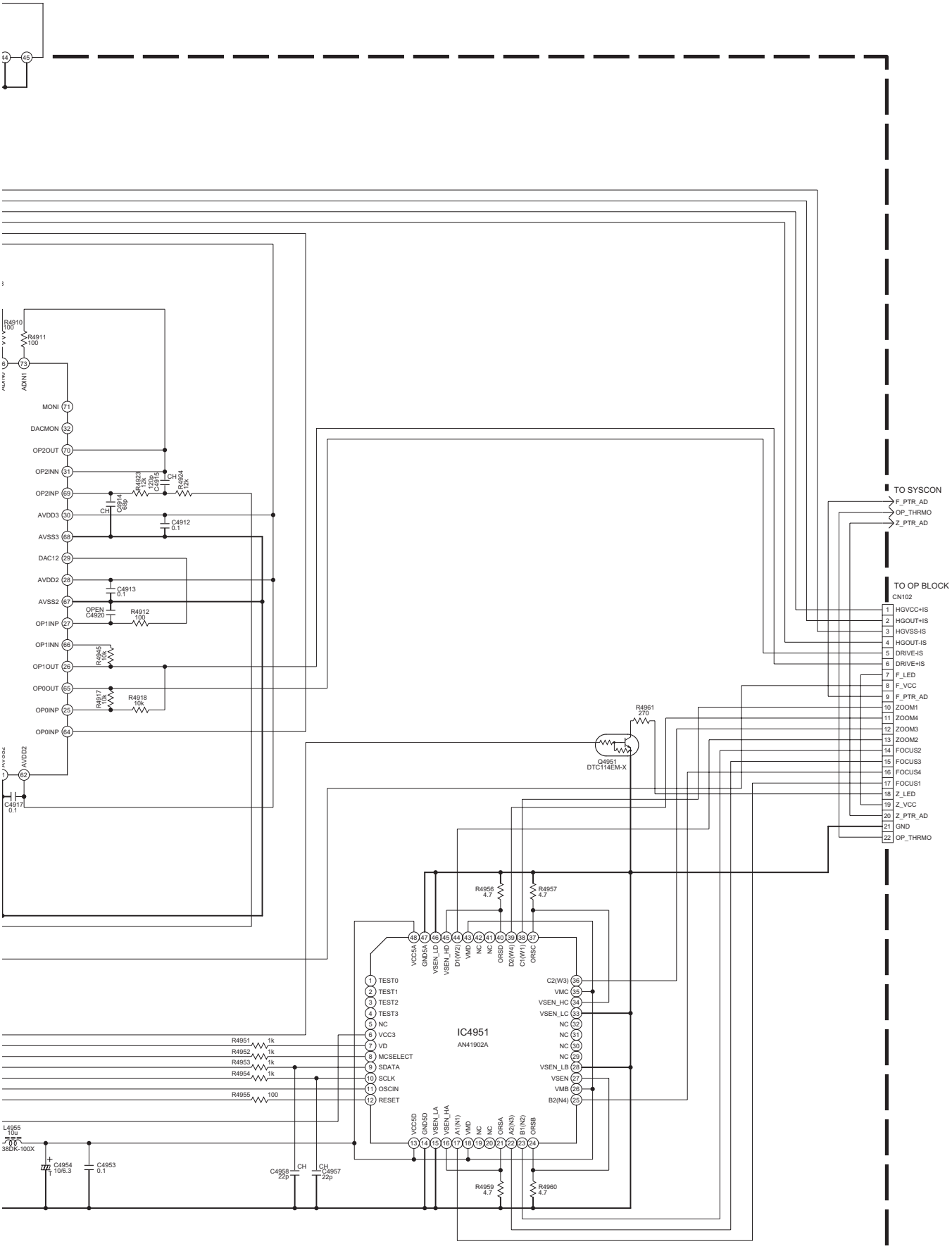
ONS".

■ MAIN(OP DRV) SCHEMATIC DIAGRAM



NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.



ONS".

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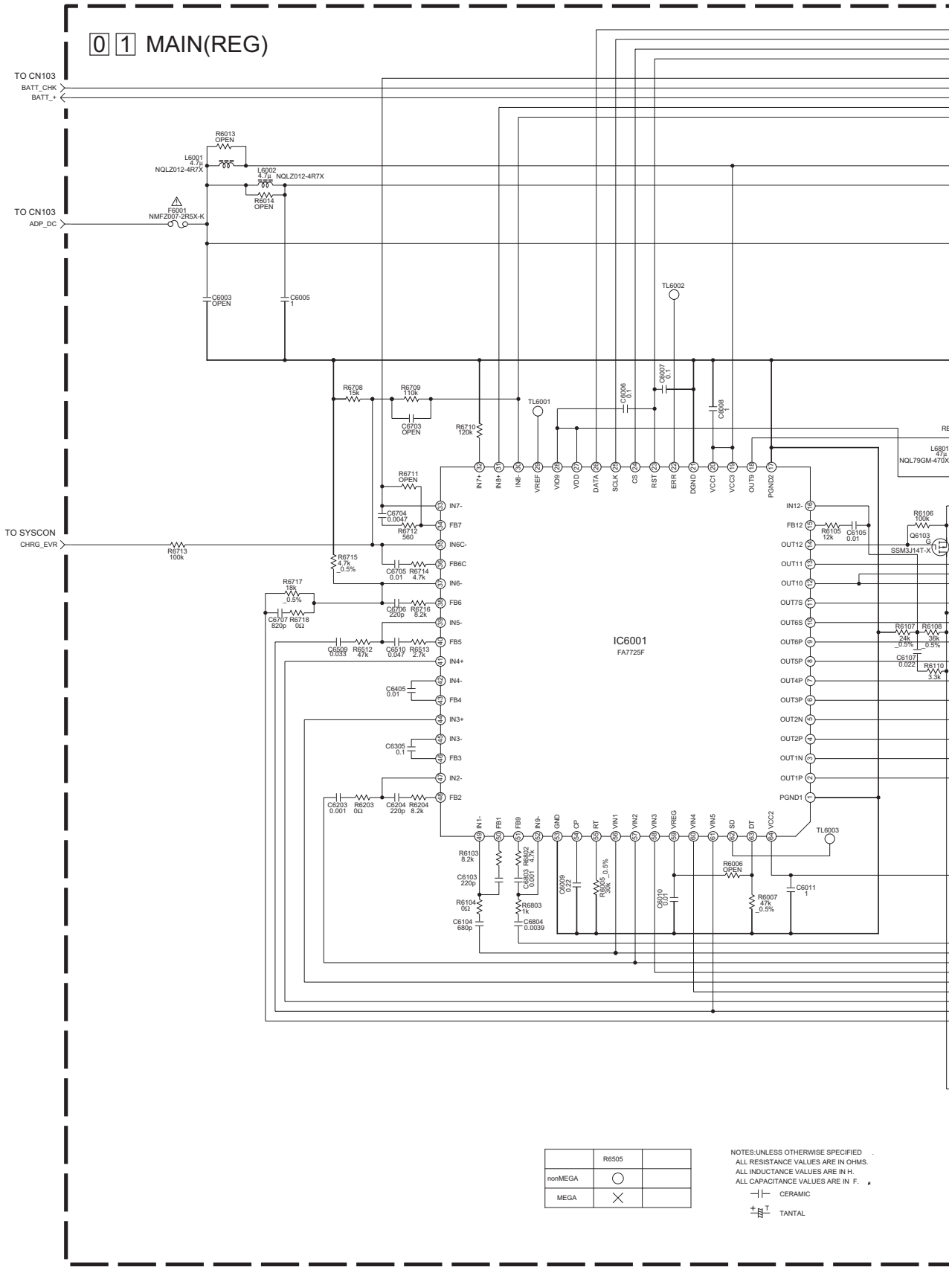
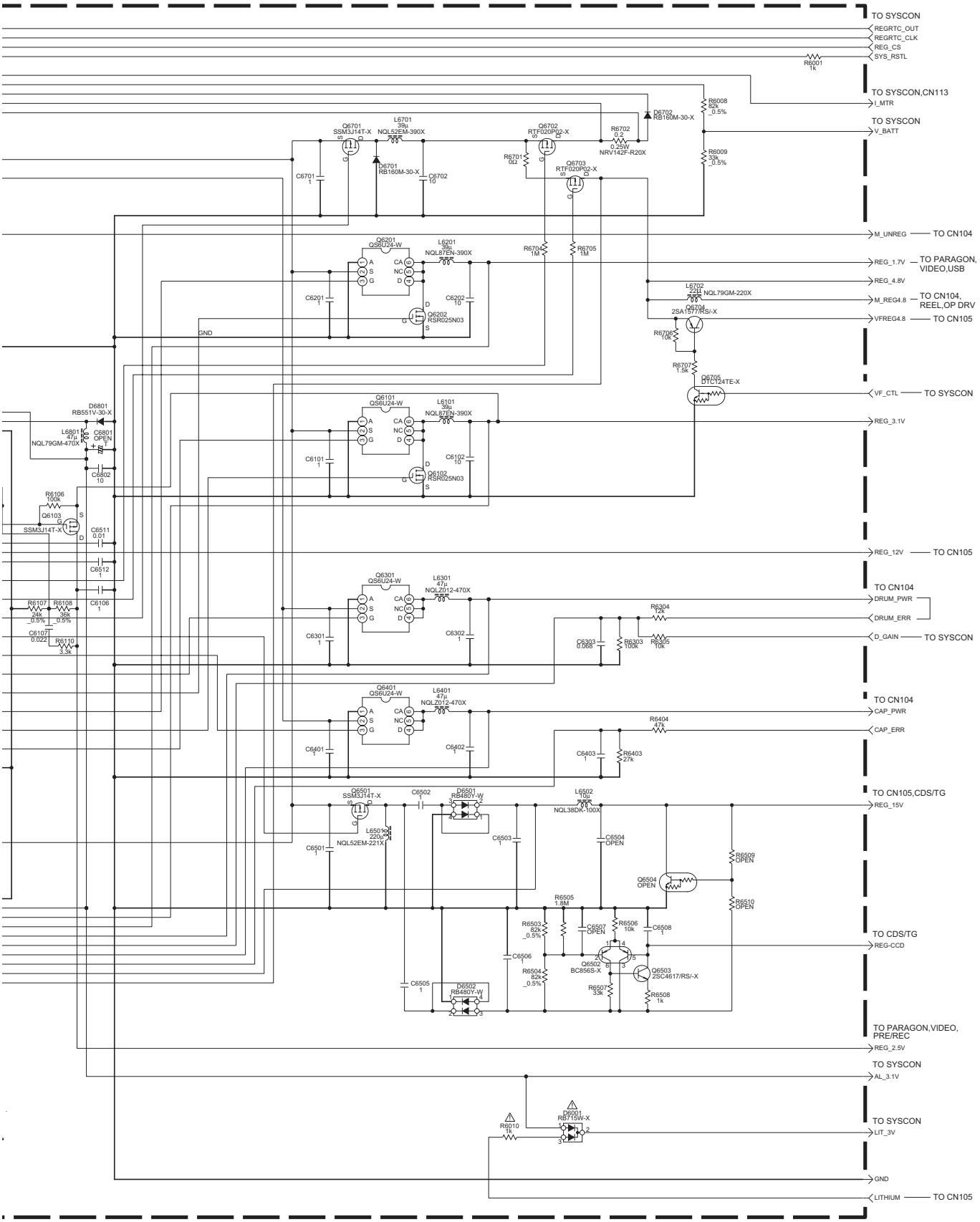
■ MAIN(REG) SCHEMATIC DIAGRAM



NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.



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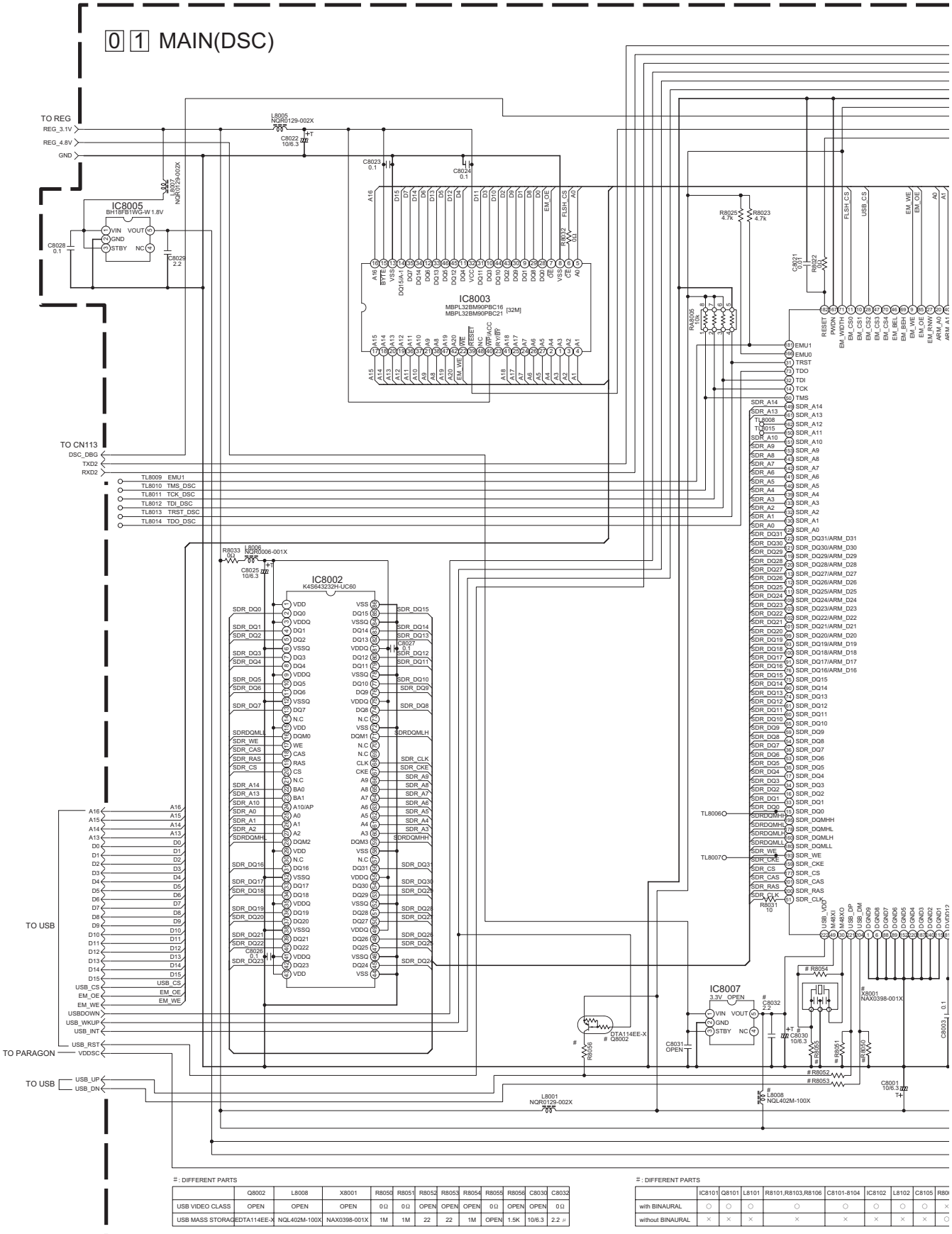
ONS".

■ MAIN(DSC) SCHEMATIC DIAGRAM



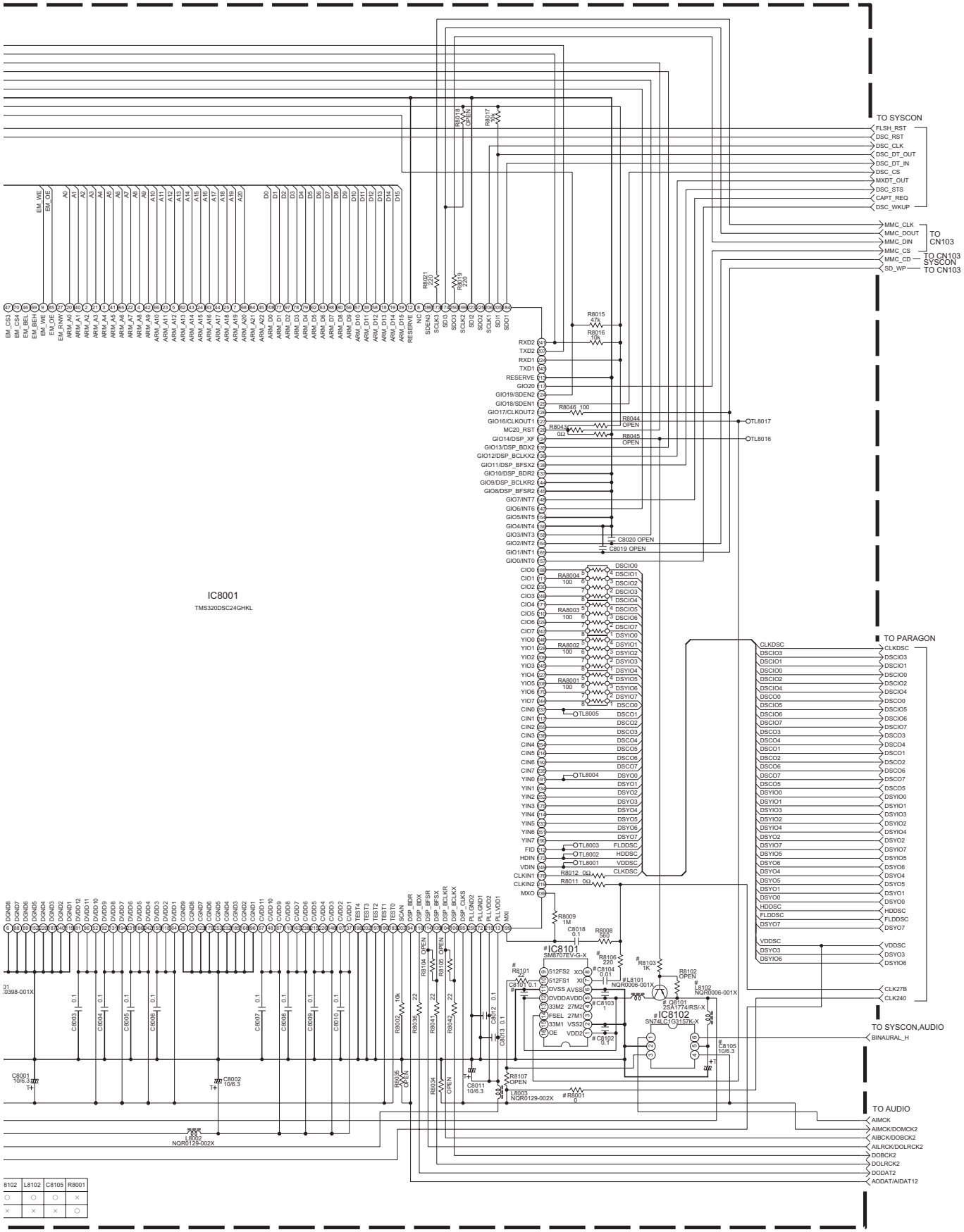
: DIFFERENT PARTS

	Q8002	L8008	X8001	R8050	R8051	R8052	R8053	R8054	R8055	R8056	C8030	C8032
USB VIDEO CLASS	OPEN	OPEN	OPEN	0Ω	0Ω	OPEN	OPEN	OPEN	0Ω	OPEN	OPEN	0Ω
USB MASS STORAGE	DTA114EE-X	NQL402M-100X	NAX0398-001X	1M	1M	22	22	1M	OPEN	1.5K	10/6.3	2.2 μ

: DIFFERENT PARTS

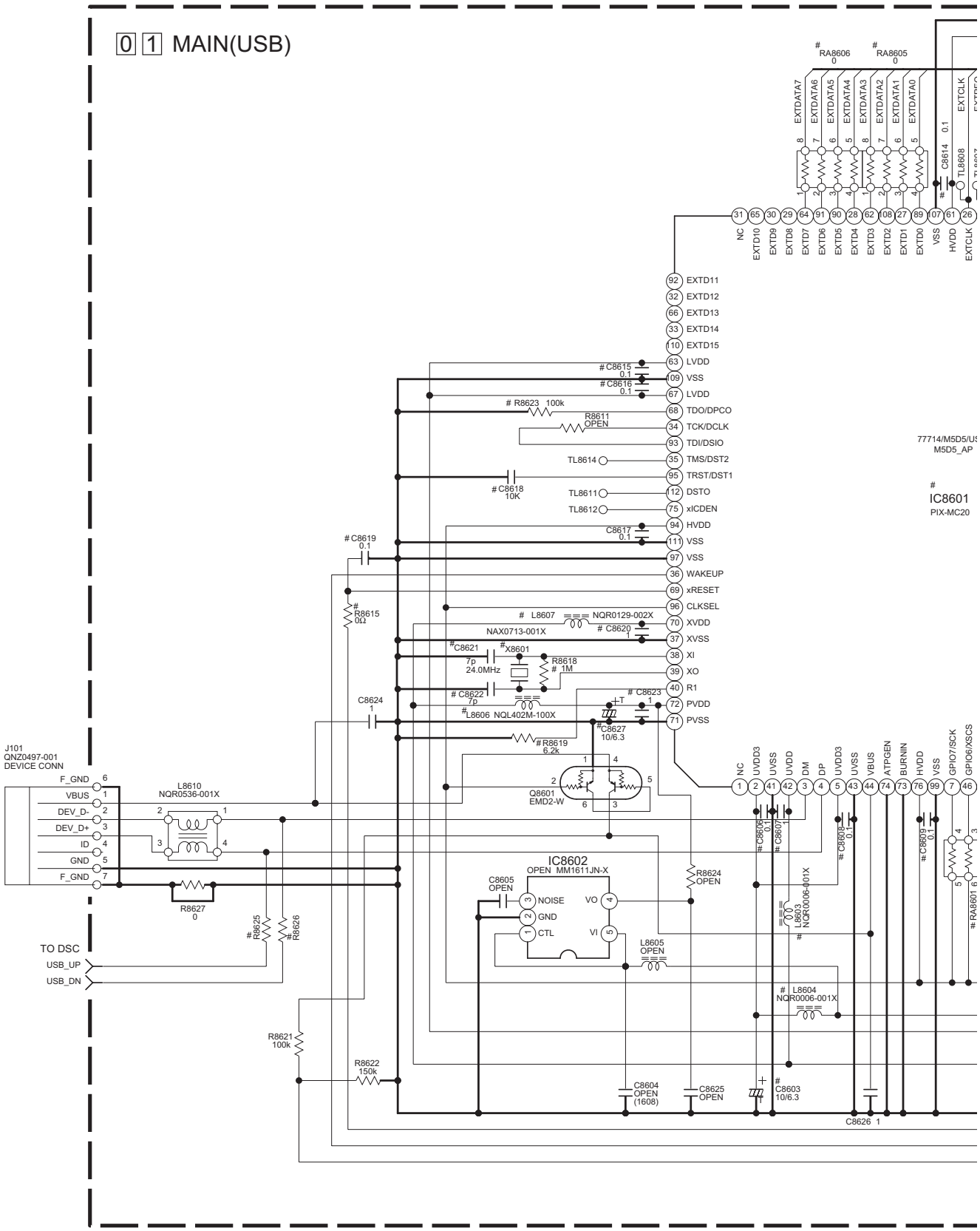
	IC8101	Q8101	L8101	R8101,R8103,R8106	C8101-8104	IC8102	L8102	C8105	R80
with BINAURAL	○	○	○	○	○	○	○	○	×
without BINAURAL	×	×	×	×	×	×	×	×	○

NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.

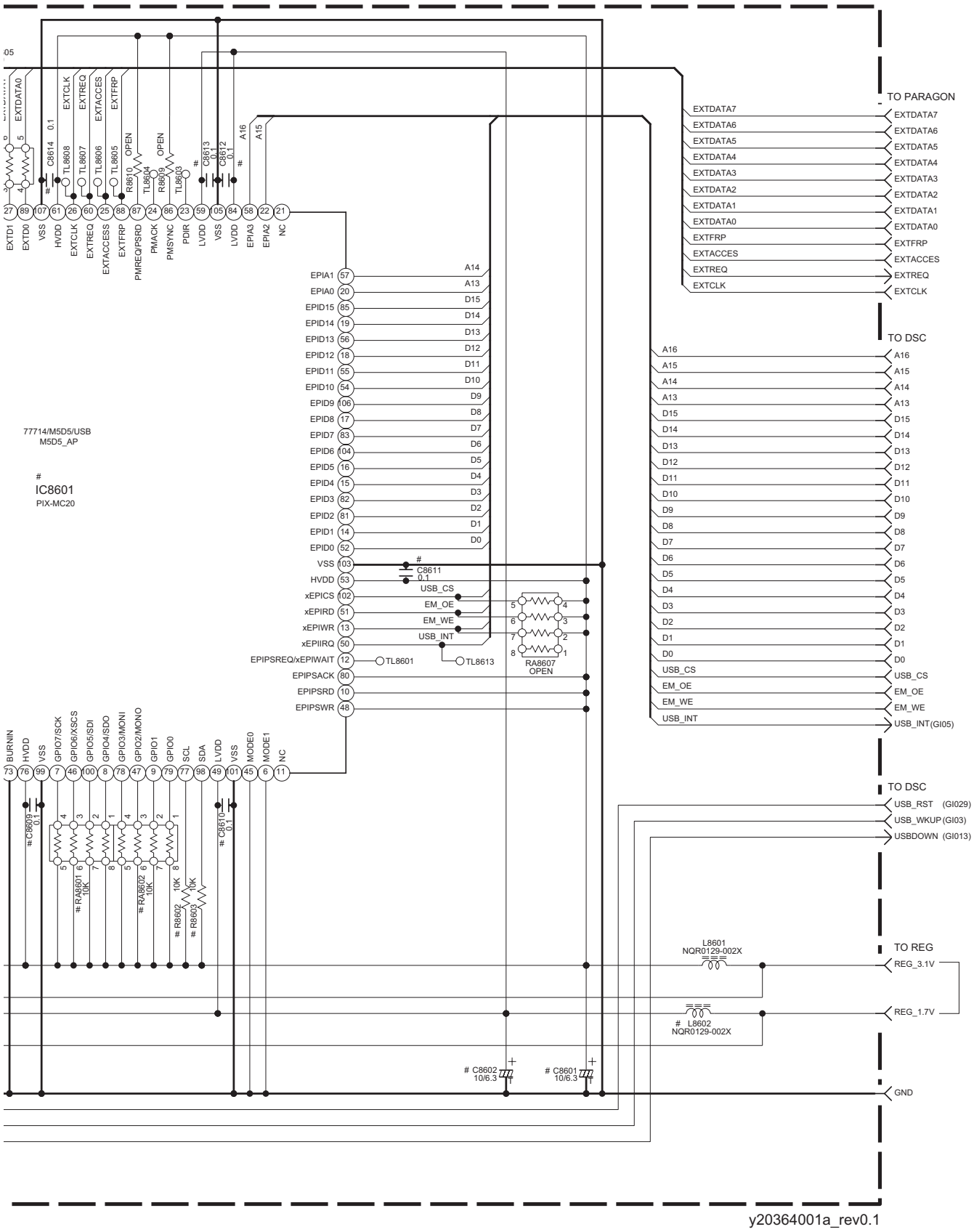

IC8001
TMS320DSC24GHKL
IC8101
SM8707EV-G-X
IC8102
SN74LC1G3157K-X
TO SYSCON
FLSH_RST
DSC_RST
DSC_CLK
DSC_DT_OUT
DSC_DT_IN
DSC_CS
MXDT_OUT
DSC_STS
CAPT_REQ
DSC_WKUP
MMC_CLK
MMC_DOUT
MMC_DIN
MMC_CS
MMC_CD
SD_WP
TO CN103
TO CN103
SYSCON TO CN103
TO PARAGON
TO SYSCON,AUDIO
BINAURAL_H
TO AUDIO
AIMCK
AIMCK/DOMCK2
AIBCK/DOBCK2
AILRCK/DOLRCK2
DOBCK2
DOLRCK2
DODAT2
AODAT/AIDAT12
TL8017
TL8016
TL8005
TL8004
TL8003
TL8002
TL8001
CLK27B
CLK240
y10516001a_rev0.1

ONS".

■ MAIN(USB) SCHEMATIC DIAGRAM

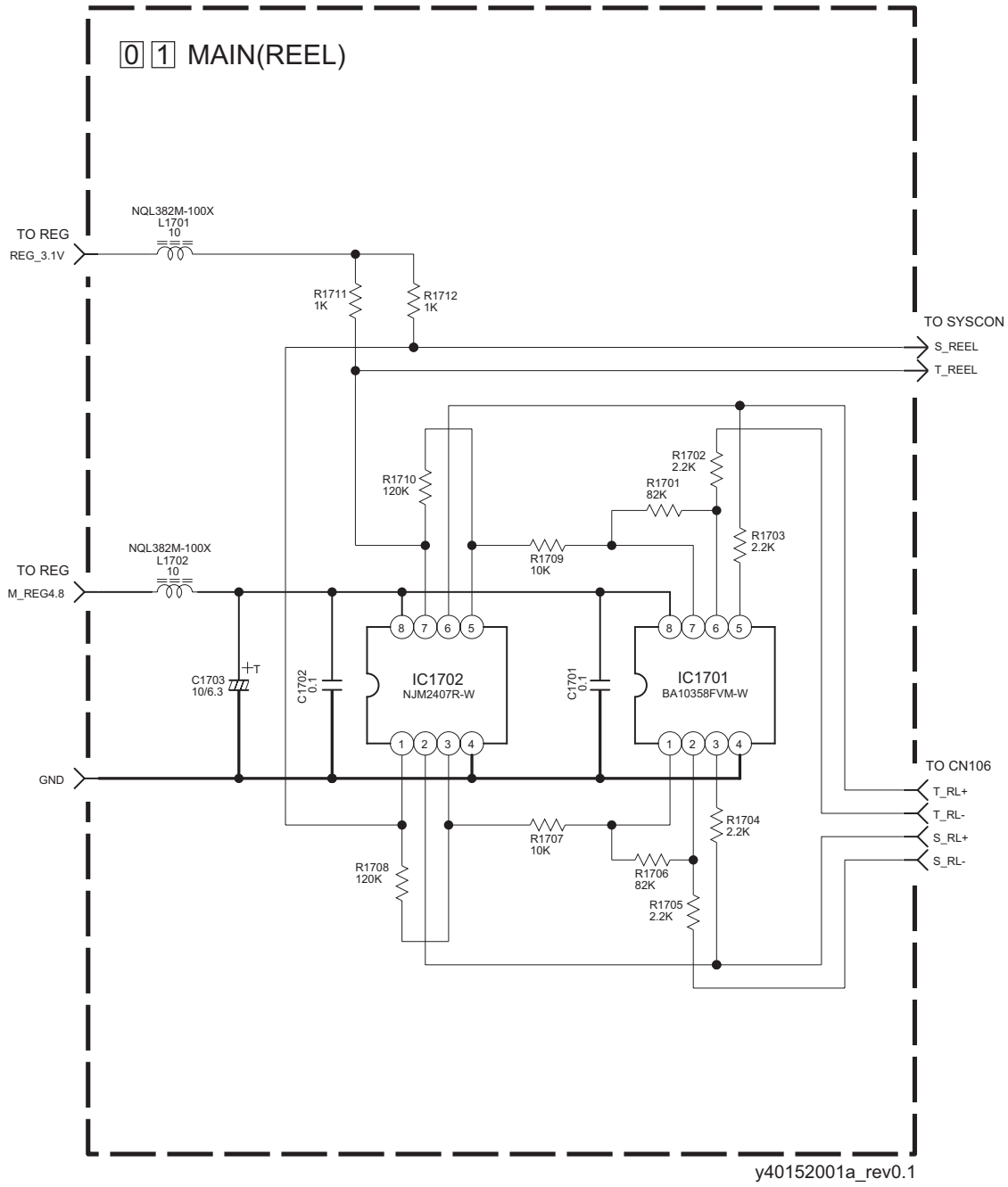


NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.


TO PARAGON
EXTDATA7
EXTDATA6
EXTDATA5
EXTDATA4
EXTDATA3
EXTDATA2
EXTDATA1
EXTDATA0
EXTFRP
EXTACCES
EXTREQ
EXTCLK
TO DSC
A16
A15
A14
A13
D15
D14
D13
D12
D11
D10
D9
D8
D7
D6
D5
D4
D3
D2
D1
D0
USB_CS
EM_OE
EM_WE
USB_INT
USB_INT (GI05)
77714/M5D5/USB
M5D5_AP
IC8601
PIX-MC20
EPIA1
EPIA0
EPID15
EPID14
EPID13
EPID12
EPID11
EPID10
EPID9
EPID8
EPID7
EPID6
EPID5
EPID4
EPID3
EPID2
EPID1
EPID0
VSS
HVDD
xEPICS
xEPIRD
xEPIWR
xEPIIRQ
EPIPSREQ/xEPIWAIT
EPIPSACK
EPIPSRD
EPIPSWR
C8611 0.1
RA8607 OPEN
TL8601
TL8613
BURNIN
HVDD
VSS
GPIO7/SCK
GPIO6/XSCS
GPIO5/SDI
GPIO4/SDO
GPIO3/MONI
GPIO2/MONO
GPIO1
GPIO0
SCL
SDA
LVDD
VSS
MODE0
MODE1
NC
C8609 0.1
C8610 0.1
RA8601 10K
RA8602 10K
R8602 10K
R8603 10K
TO DSC
USB_RST (GI029)
USB_WKUP (GI03)
USBDOWN (GI013)
L8601 NQR0129-002X
L8602 NQR0129-002X
TO REG
REG_3.1V
REG_1.7V
C8602 10/6.3
C8601 10/6.3
GND
y20364001a_rev0.1

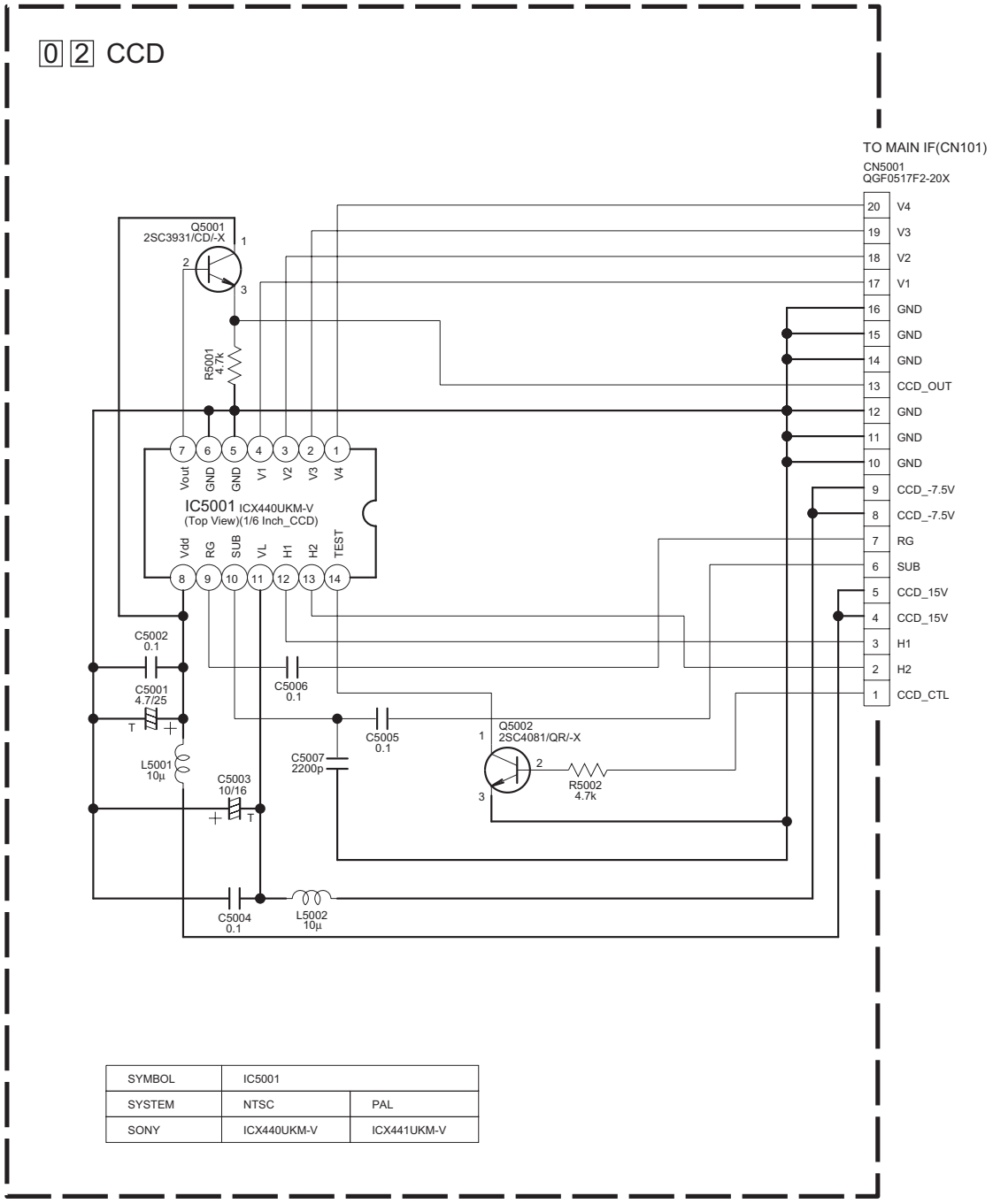
ONS".

■ MAIN(REEL) SCHEMATIC DIAGRAM



NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.

■ CCD SCHEMATIC DIAGRAM



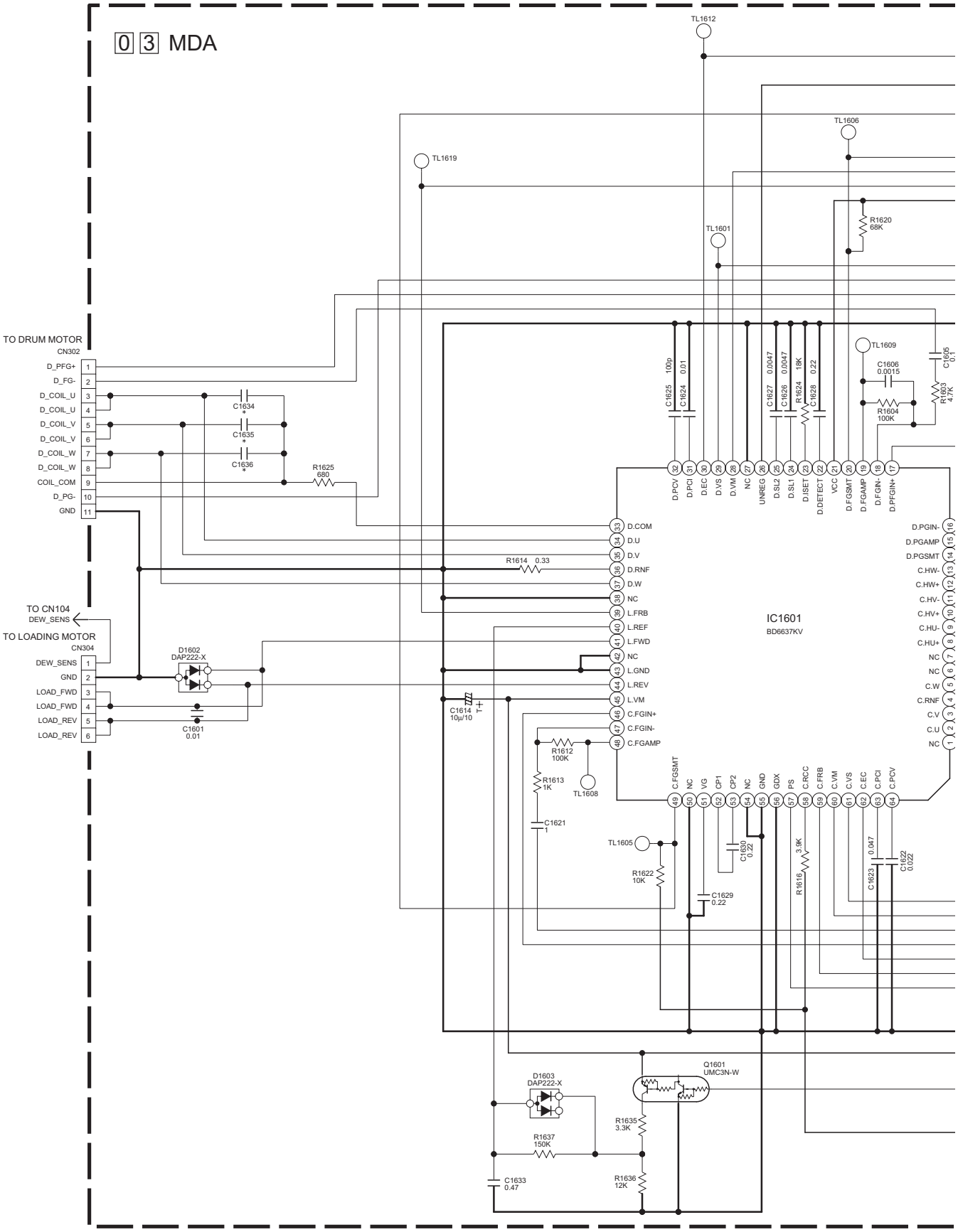
SYMBOL	IC5001	
SYSTEM	NTSC	PAL
SONY	ICX440UKM-V	ICX441UKM-V

y40151001a_rev0.1

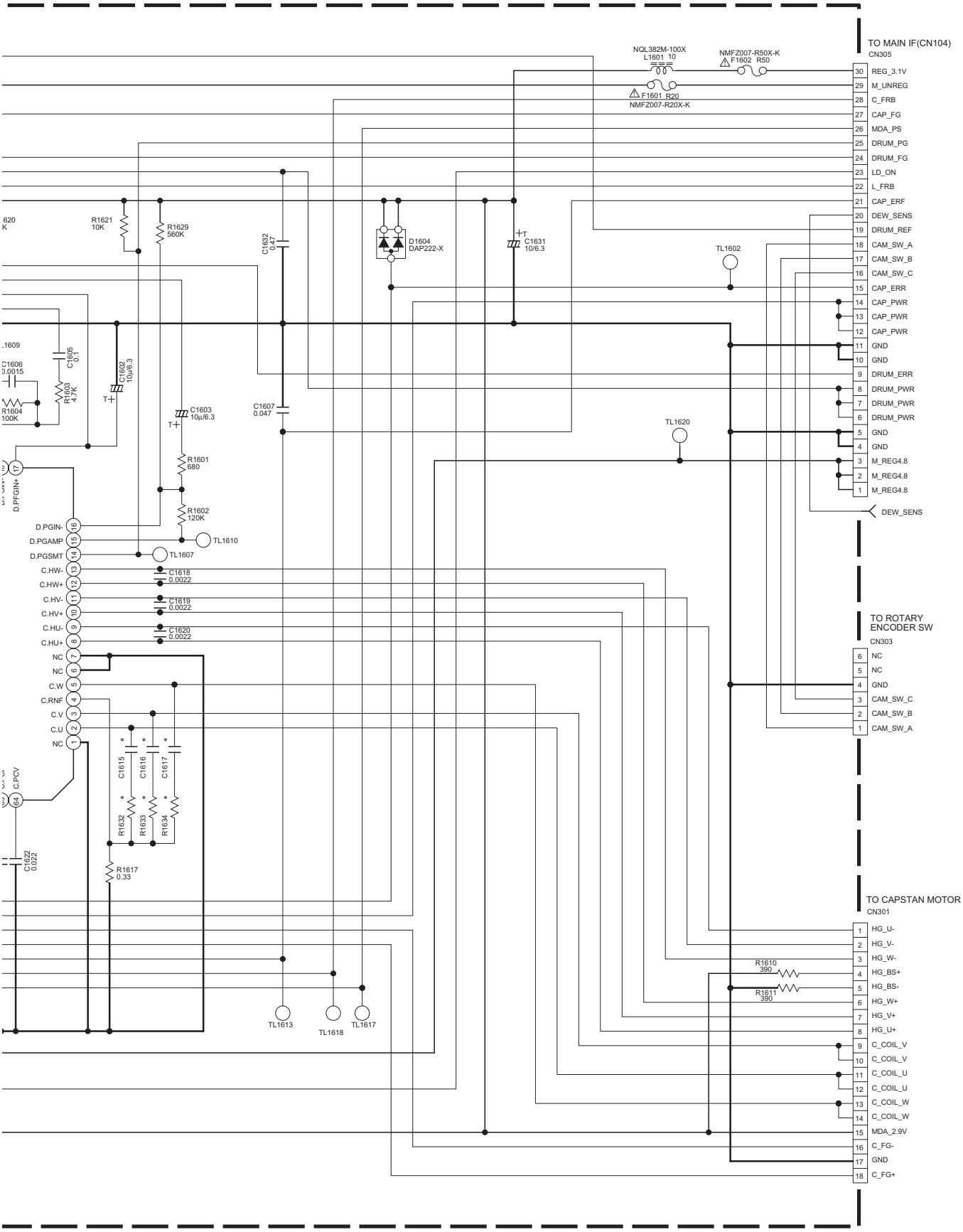
	LAST No	VACANT No
R	5002	
C	5007	
L	5002	
Q	5002	
IC	5001	
CN	5001	

NOTES :1. For the destination of each signal and further line connectionsthat are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.
3. IC5001 is incorporated in the CCD base assembly . When IC5001 needs replacement, replace the CCD base assembly in whole because it cannot be replaced alone.

■ MDA SCHEMATIC DIAGRAM



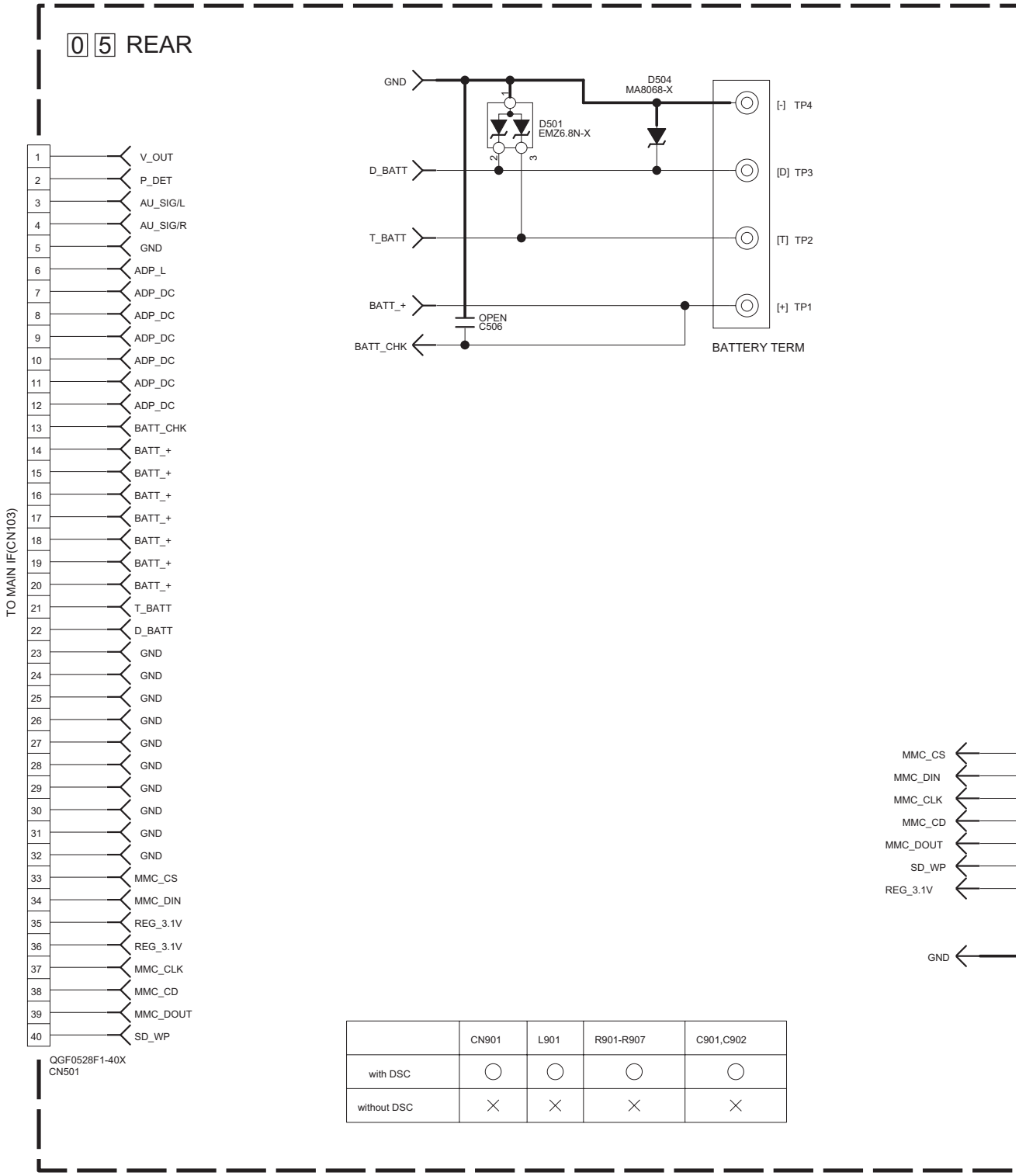
NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.



ONS".

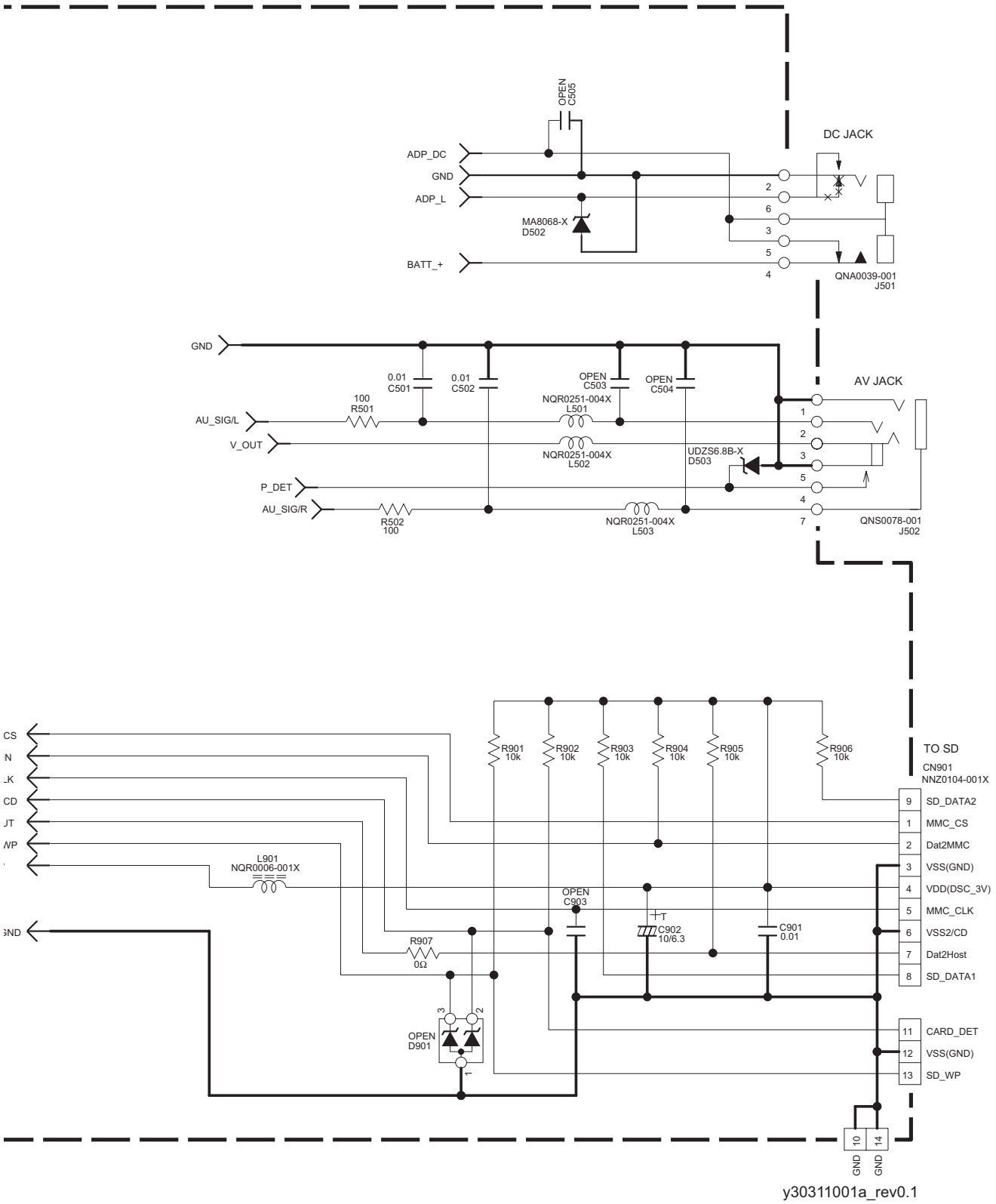
y20367001a_rev0.1

■ REAR SCHEMATIC DIAGRAM



	CN901	L901	R901-R907	C901,C902
with DSC	○	○	○	○
without DSC	×	×	×	×

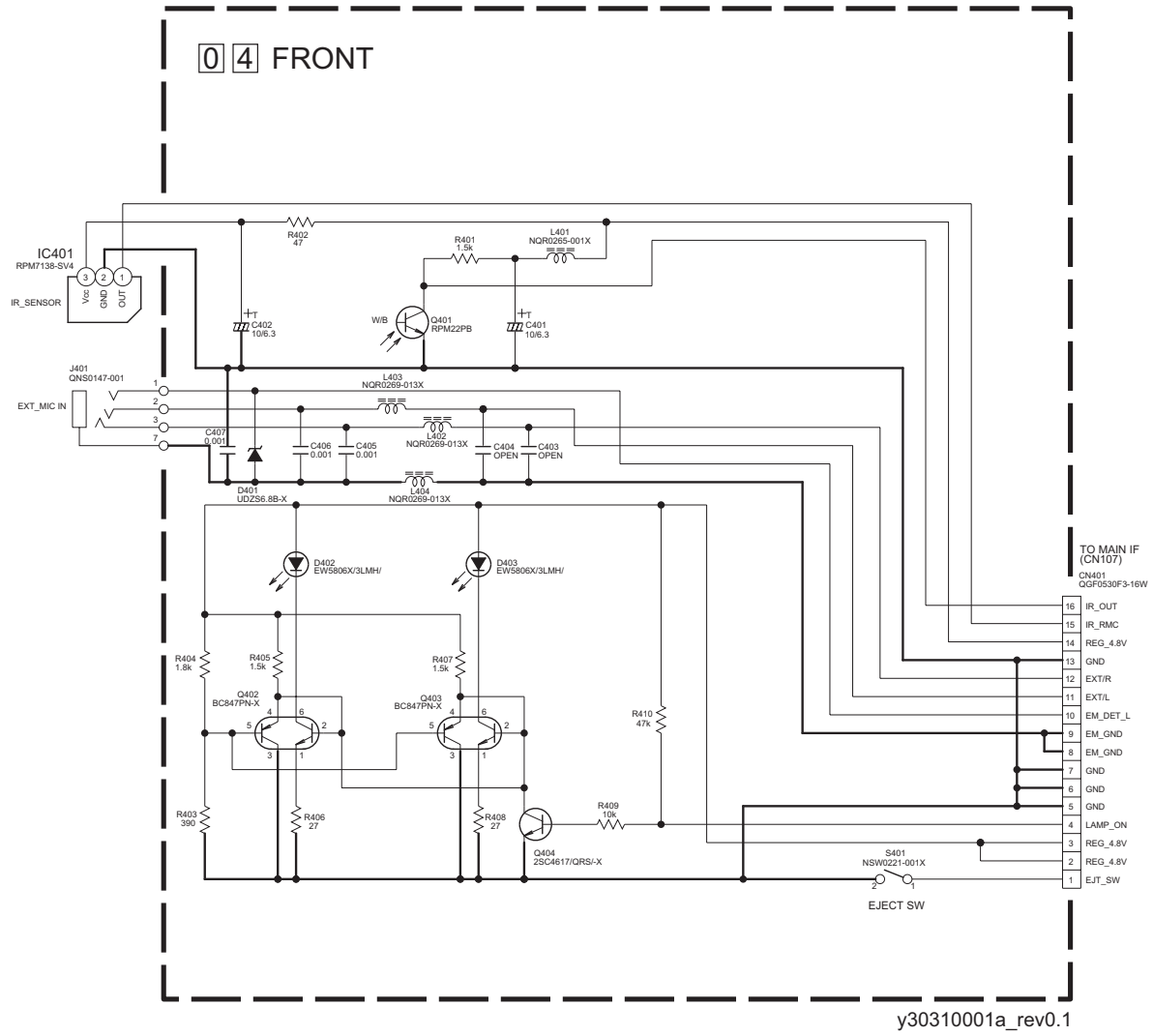
NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.



y30311001a_rev0.1

ONS".

■ FRONT SCHEMATIC DIAGRAM

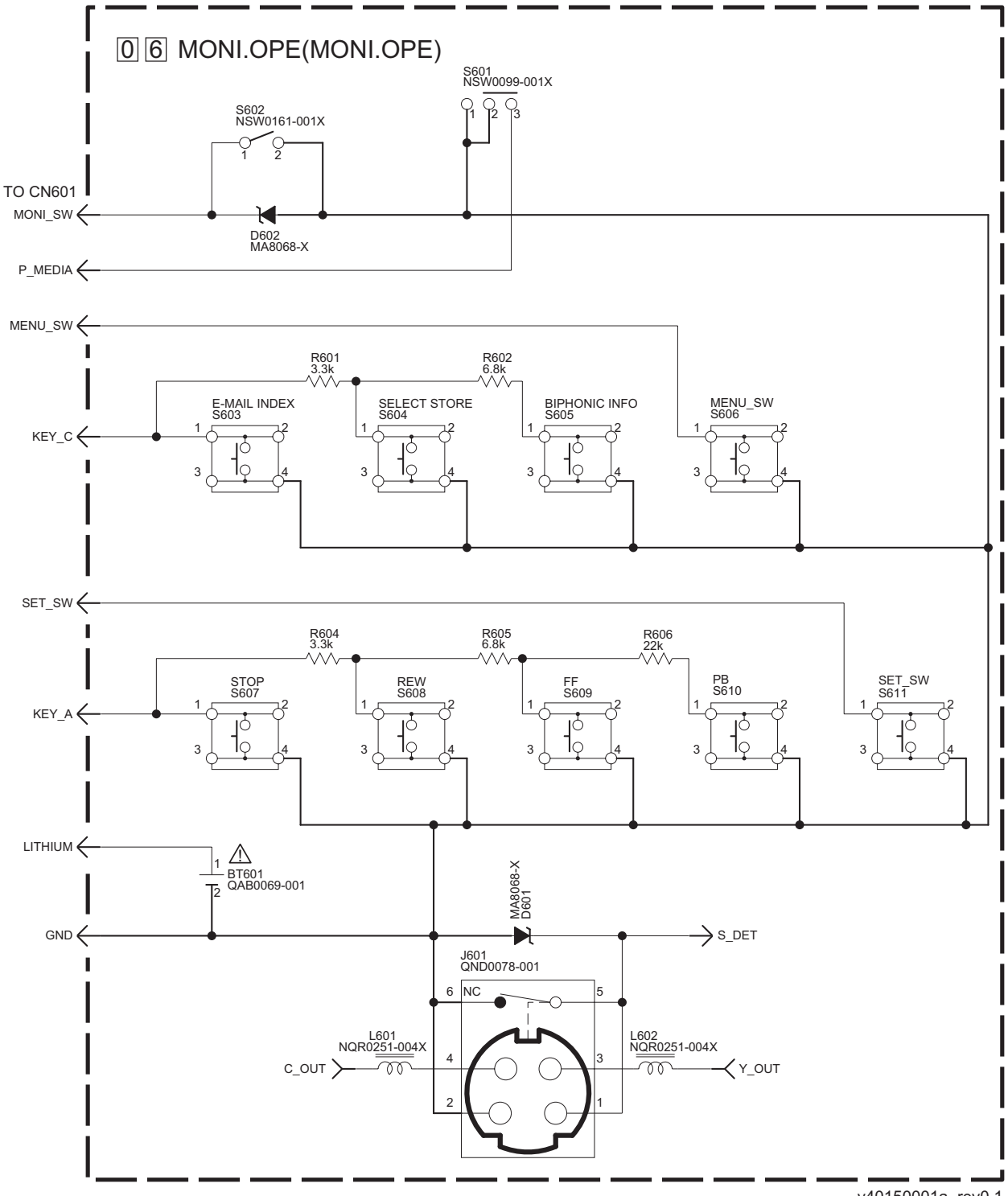


y30310001a_rev0.1

	Q402-Q404	D402,D403	R403-R410
with LIGHT LED	○	○	○
without LIGHT LED	×	×	×

NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.

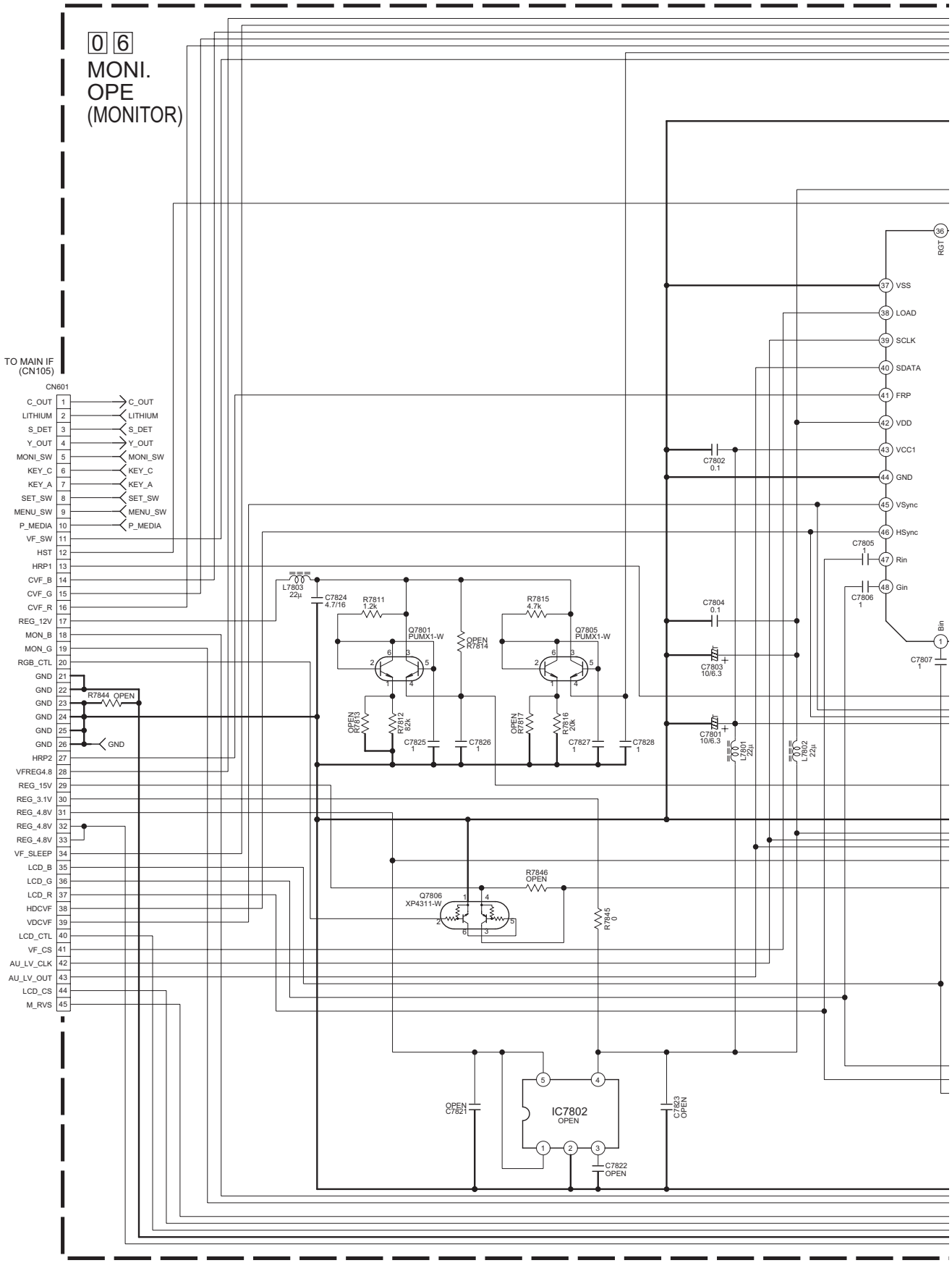
■ MONI.OPE(MONI.OPE) SCHEMATIC DIAGRAM



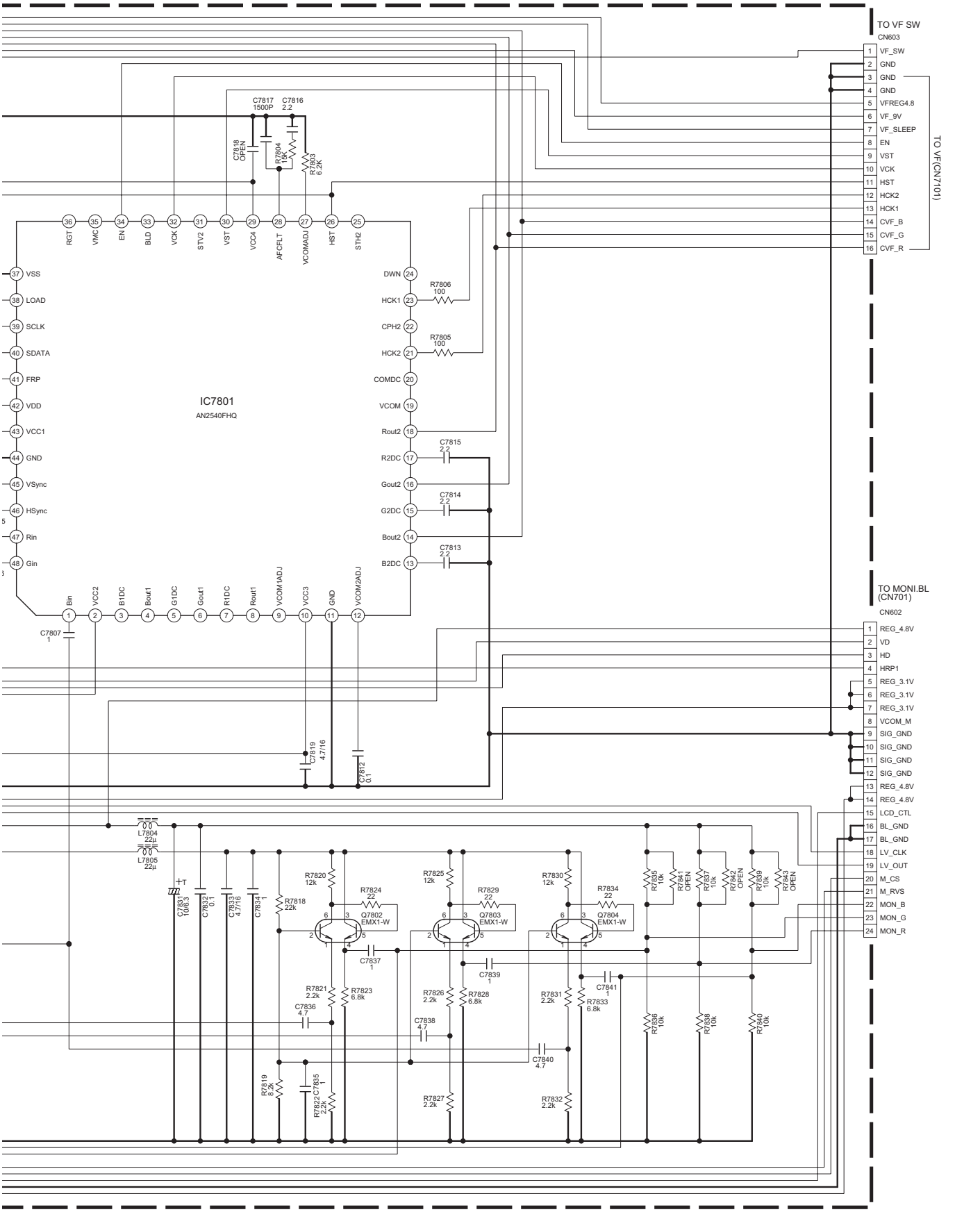
	S601 S603-S605	R601,R602
with DSC	○	○
without DSC	×	×

NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.

■ MONI.OPE(MONITOR) SCHEMATIC DIAGRAM



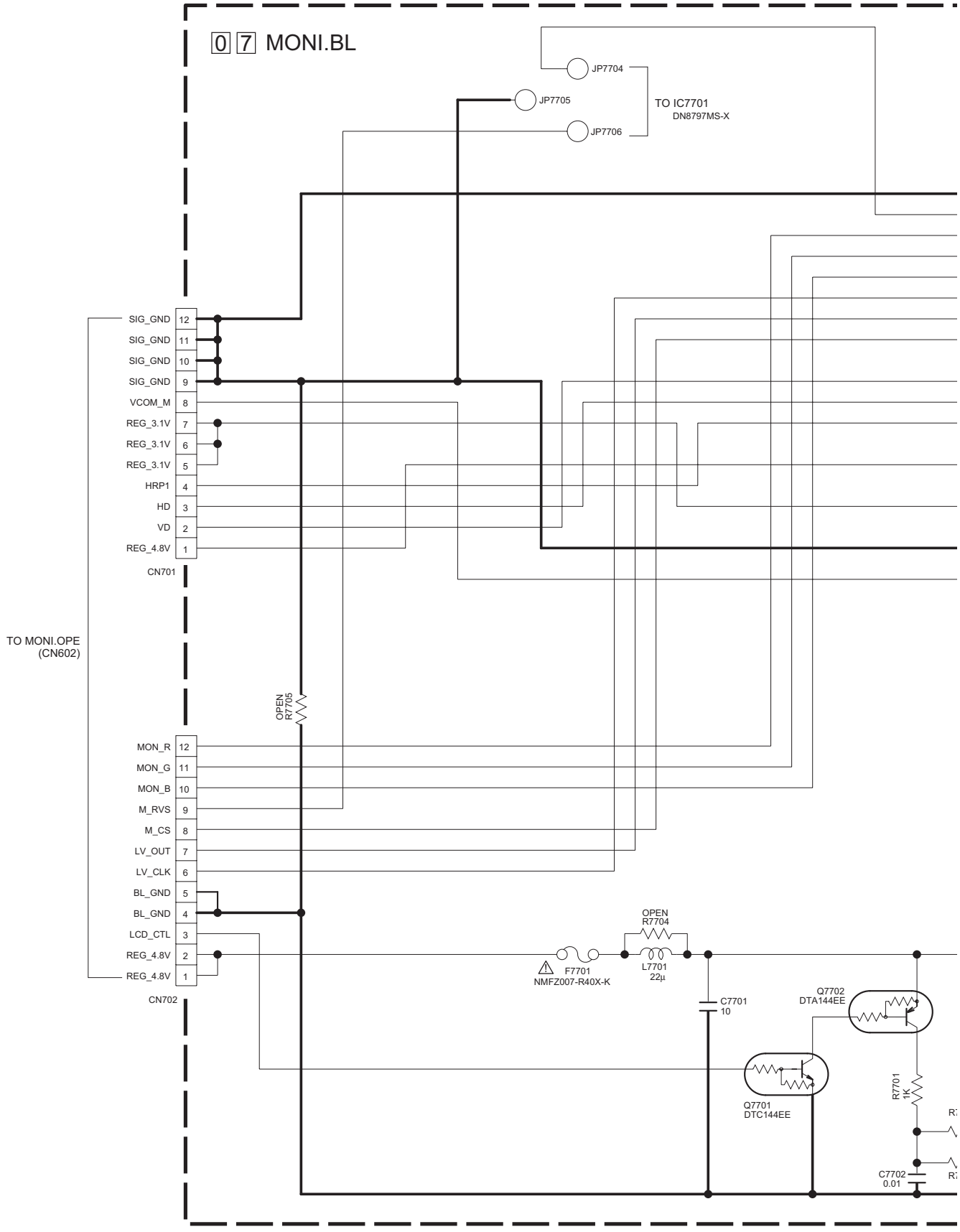
NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.



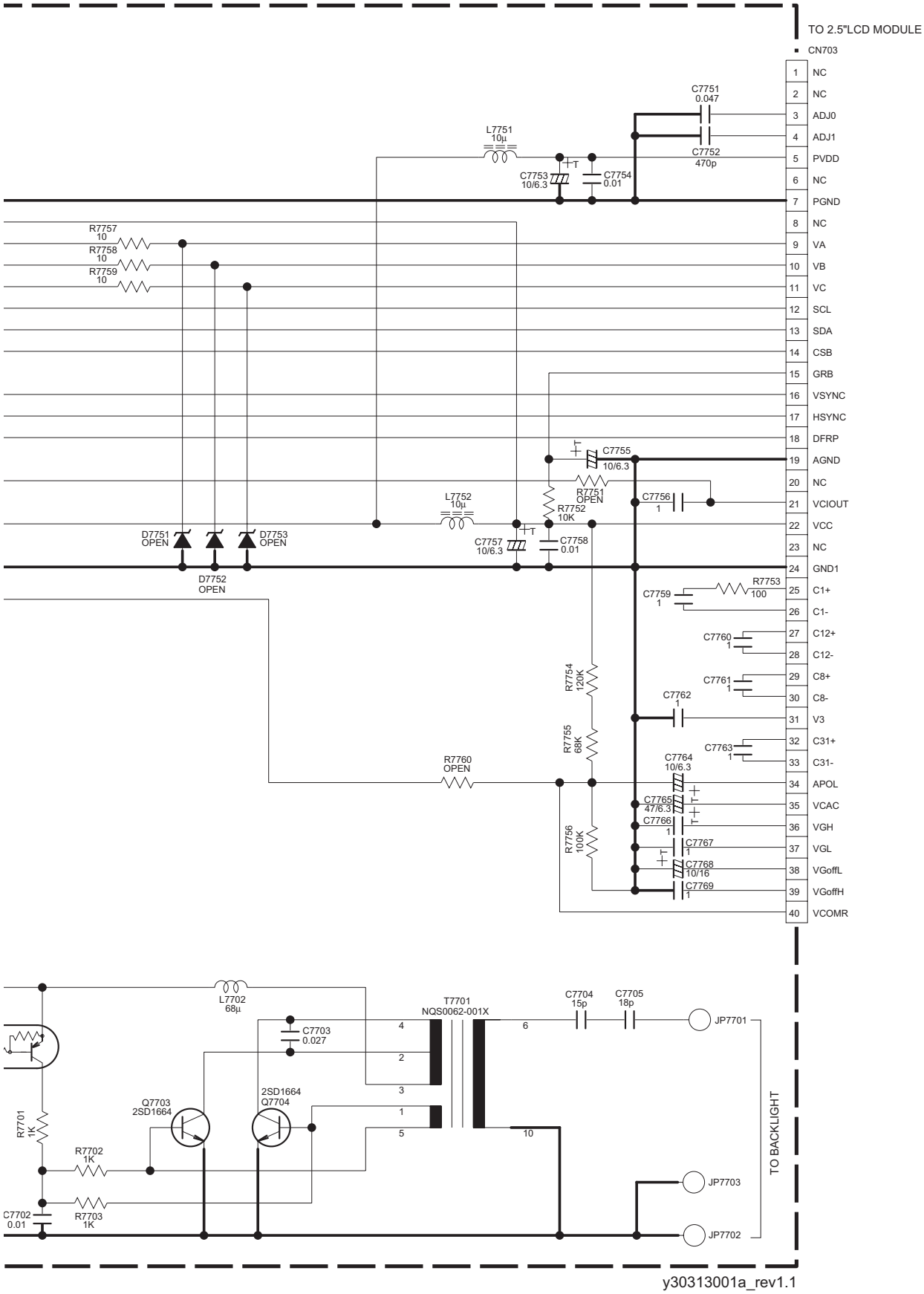
ONS".

y20368001a_rev0.1

■ MONI.BL SCHEMATIC DIAGRAM



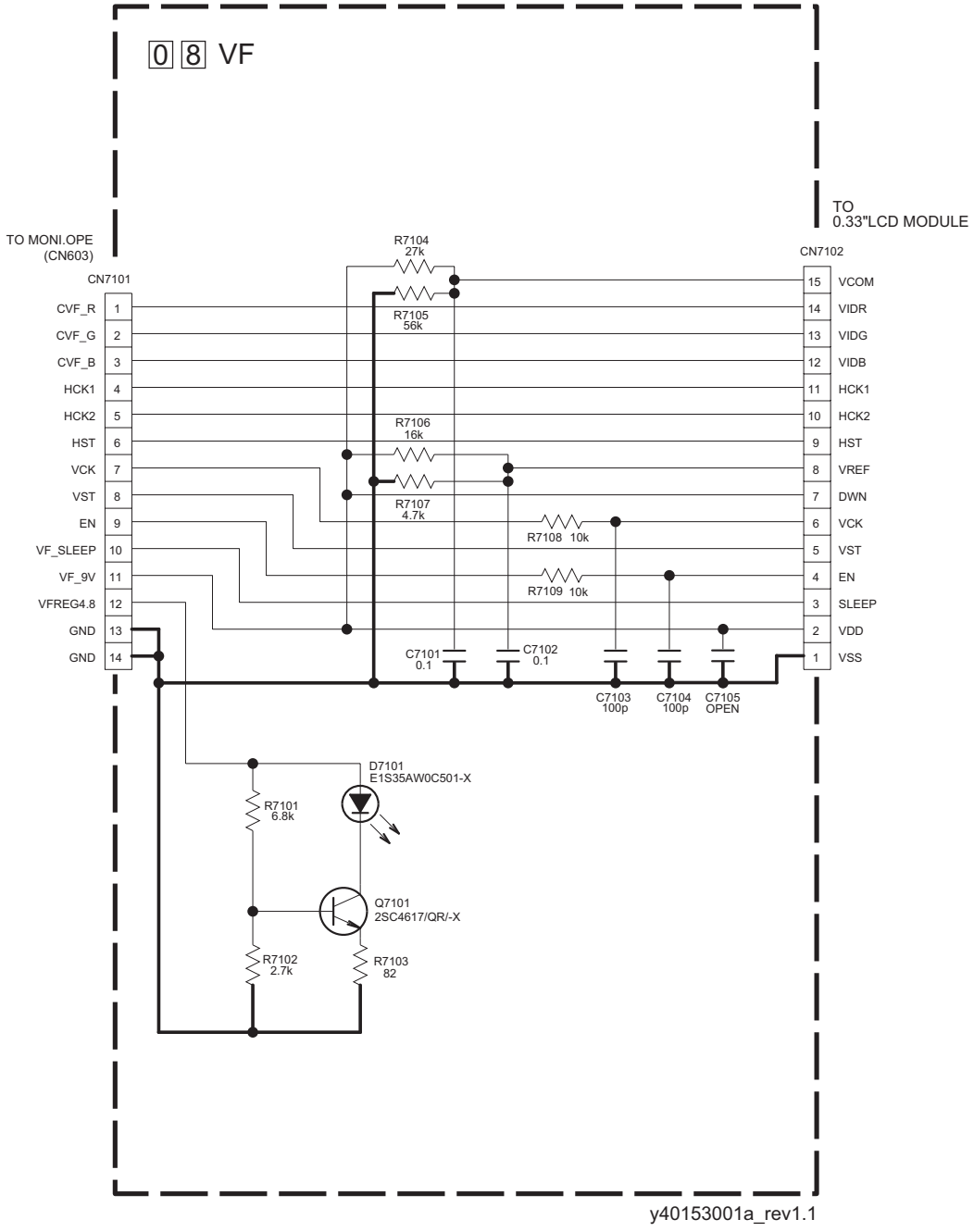
NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.



y30313001a_rev1.1

ONS".

■ VF SCHEMATIC DIAGRAM

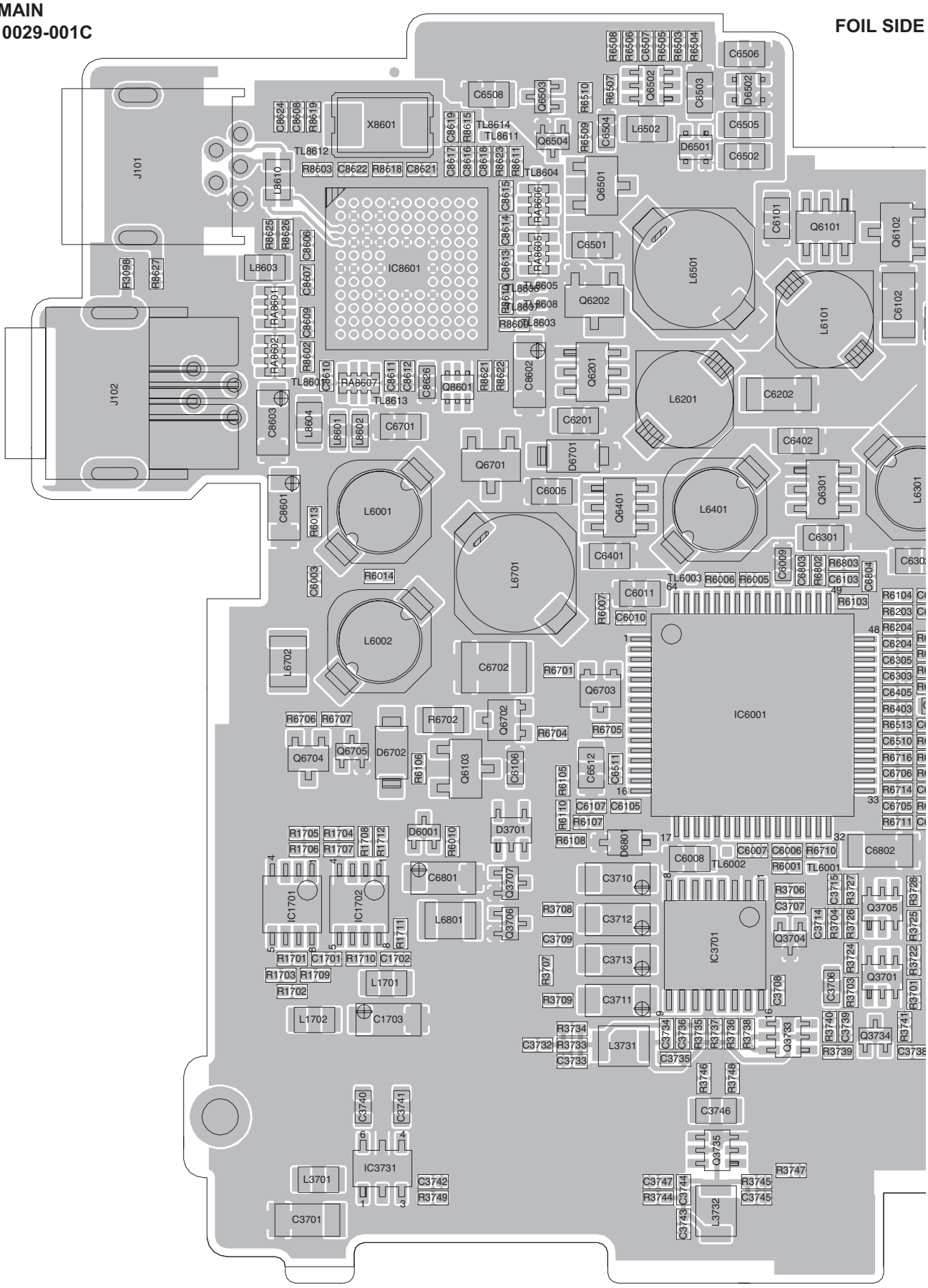


NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.

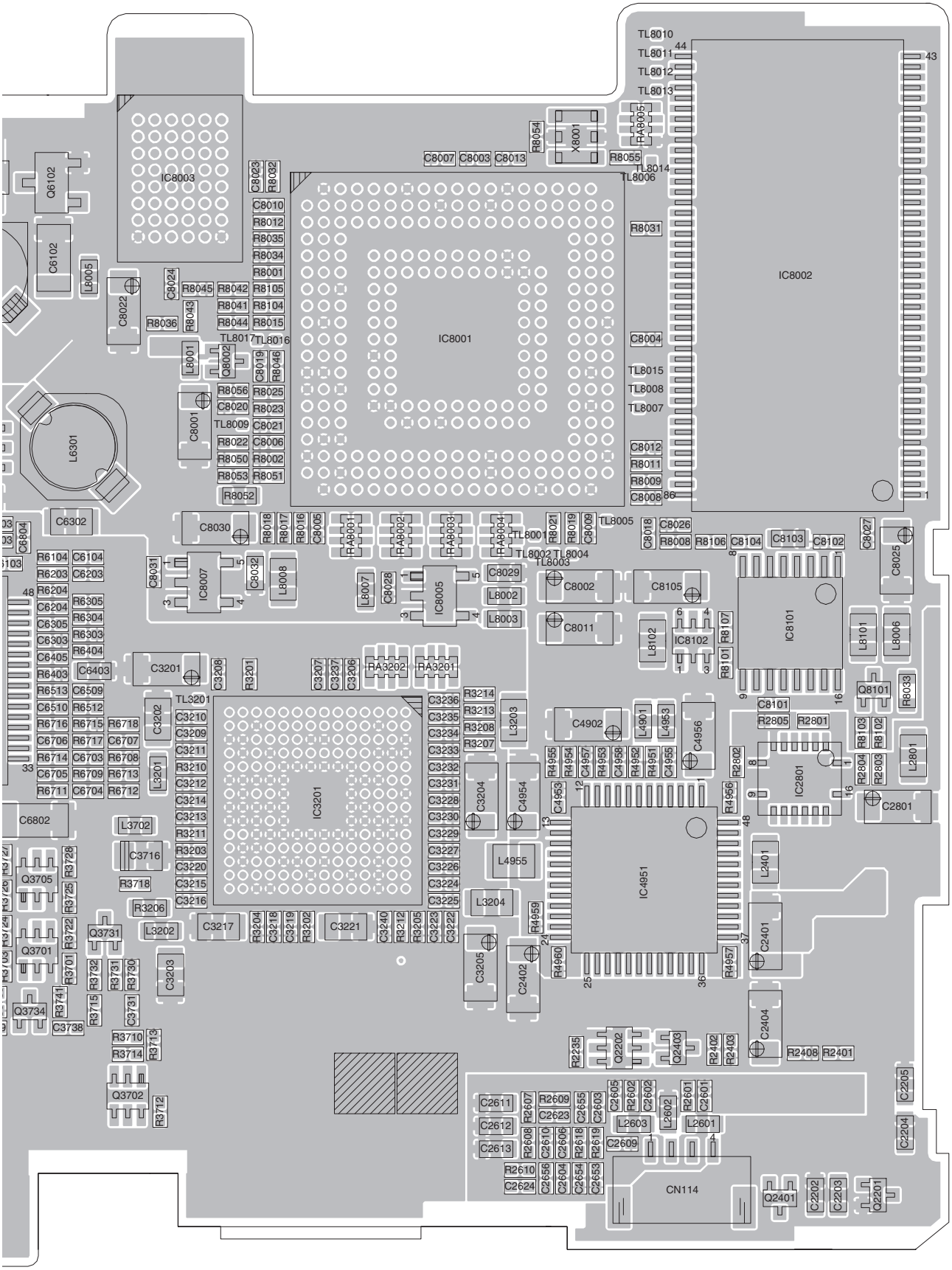
■ MAIN CIRCUIT BOARD

<01>MAIN
LYB10029-001C

FOIL SIDE



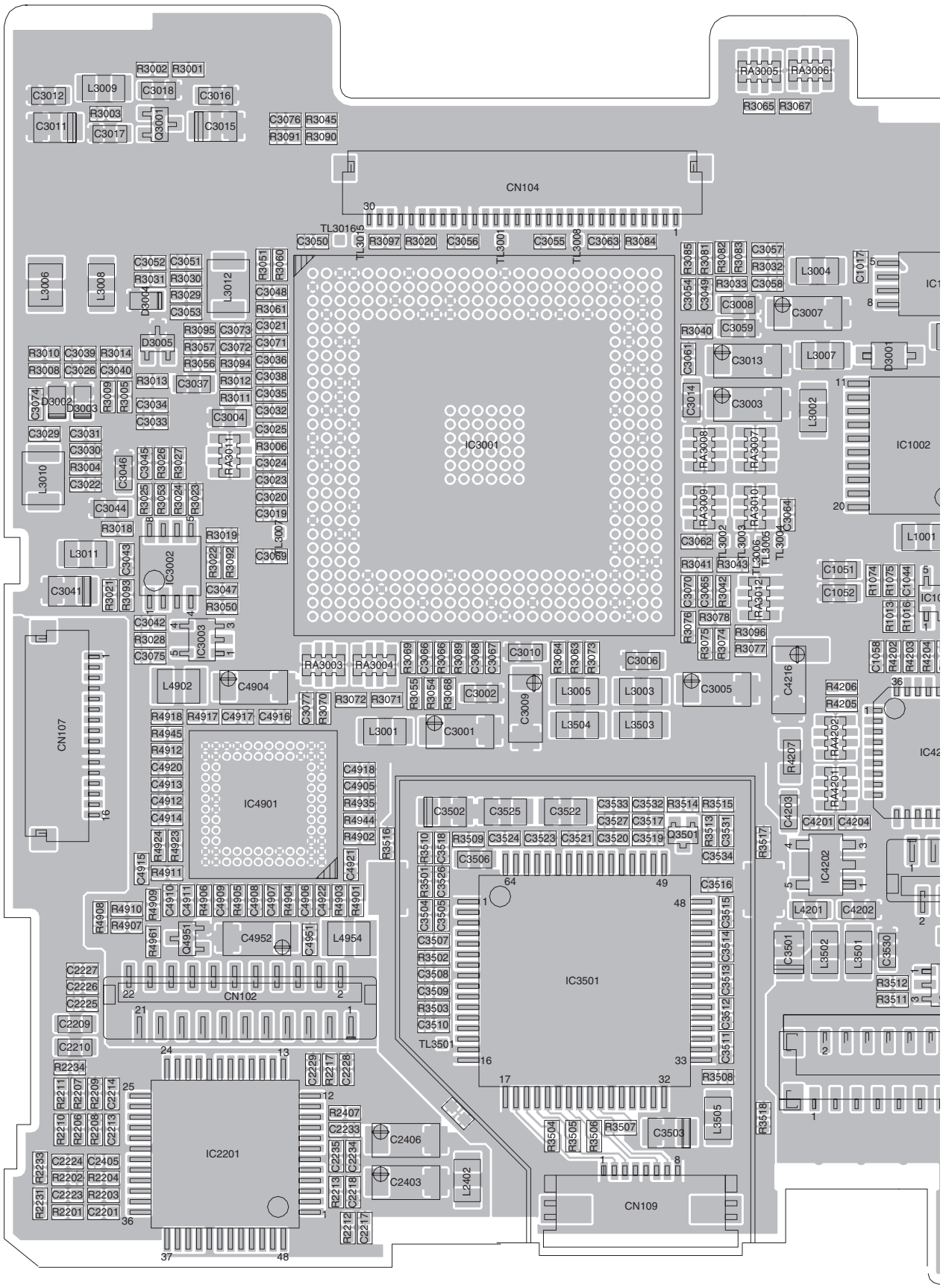
OIL SIDE(B)


IC8003
IC8001
IC8002
IC8007
IC8005
IC8101
IC8102
IC3201
IC2801
IC4951
CN114
X8001
L6301
TL8010
TL8011
TL8012
TL8013
TL8014
TL8006
TL8015
TL8008
TL8007
TL8017
TL8016
TL8009
TL8001
TL8002
TL8004
TL8003
TL8005
TL3201

■ MAIN CIRCUIT BOARD

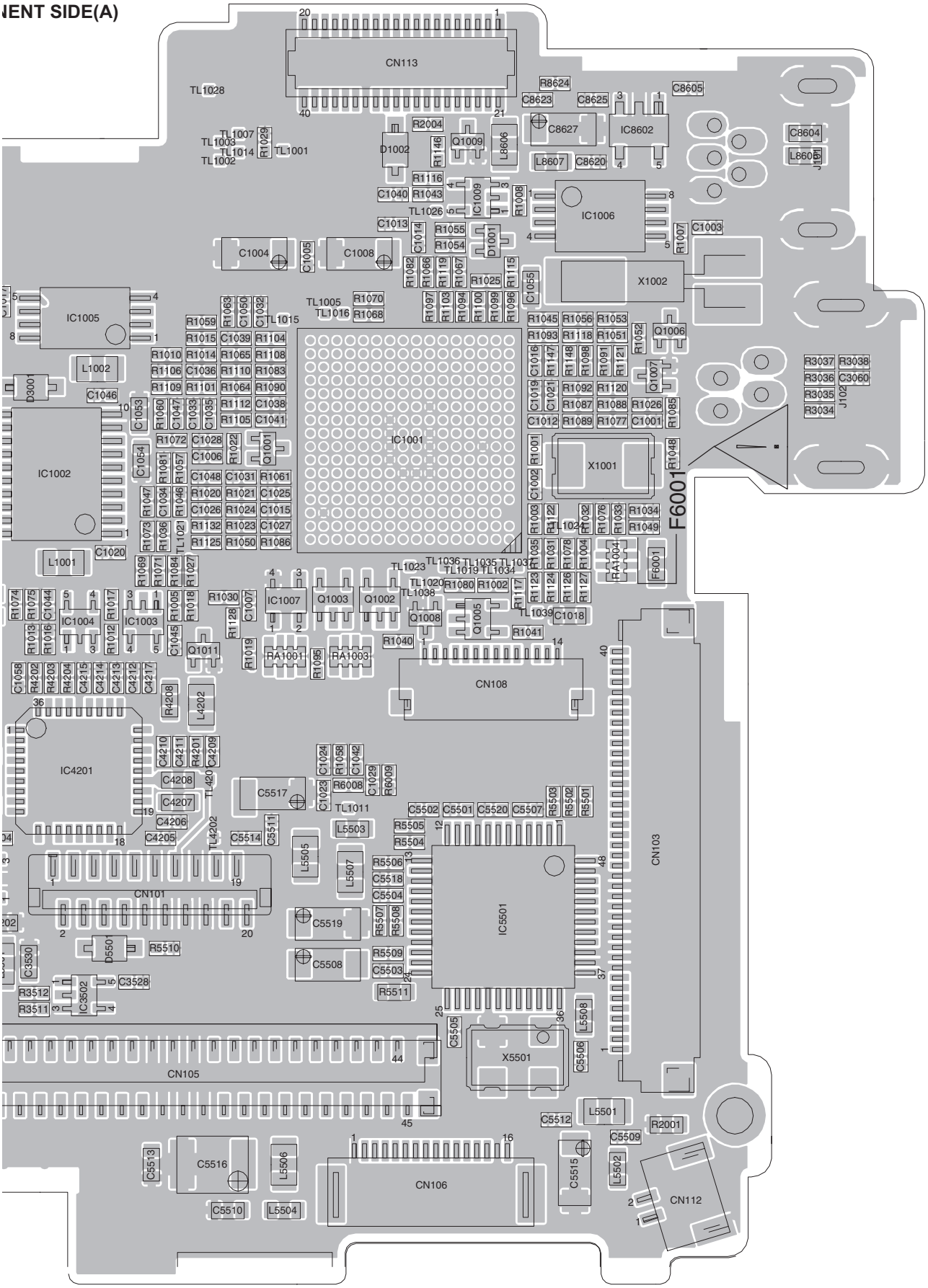
<01>MAIN
LYB10029-001C

COMPONENT SID



CAUTION :
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE AND RATED FUSE(S).
ATTENTION :
POUR UNE PROTECTION PERMANENTE CONTRE LES RISQUE D'INCENDE,
REMPLACER LES FUSIBLES PAR UNAAUTRE DE MEME TYPE ET DE MEME TENSION.

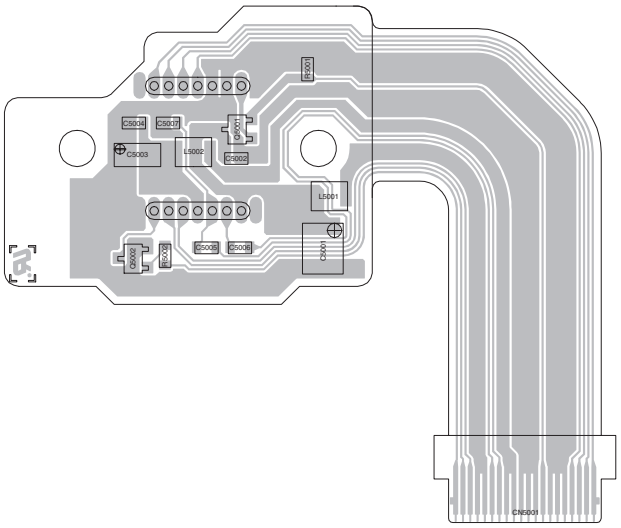
...NENT SIDE(A)



■ CCD, MDA, FRONT, REAR, MONI.OPE, MONI.BL, VF CIRCUIT BOARDS

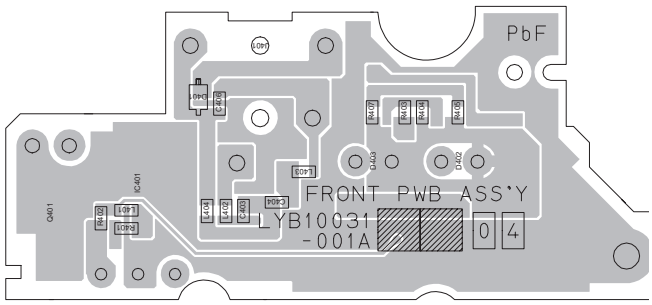
<02>CCD
LYB10037-001C

COMPONENT SIDE(A)

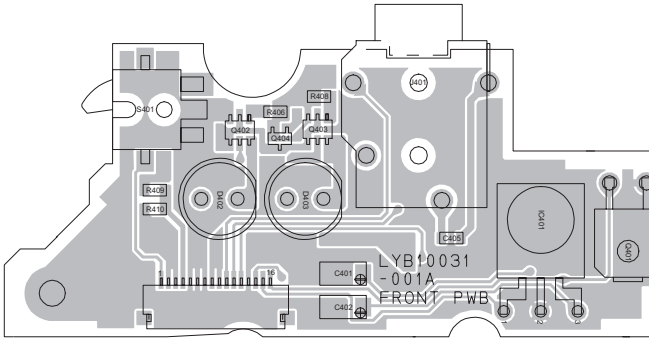


<04>FRONT
LYB10031-001A

FOIL SIDE(B)

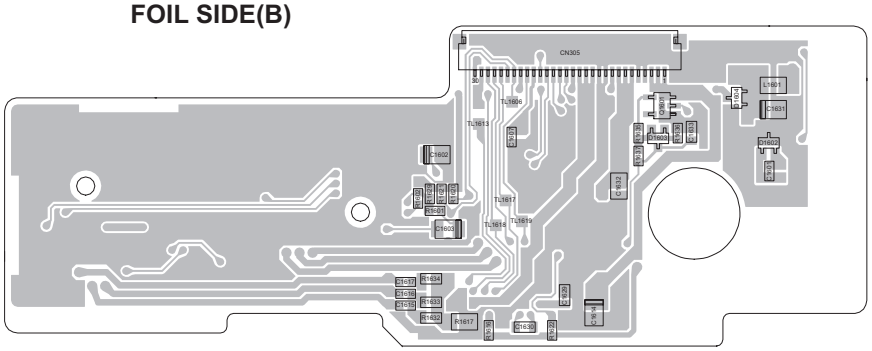


COMPONENT SIDE(A)

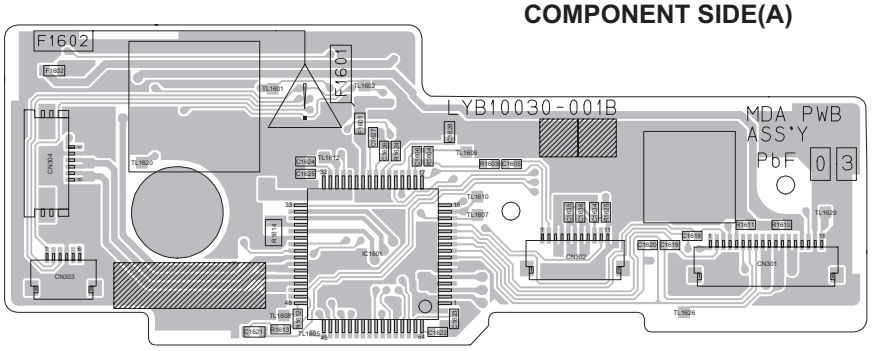


<03>MDA
LYB10030-001B

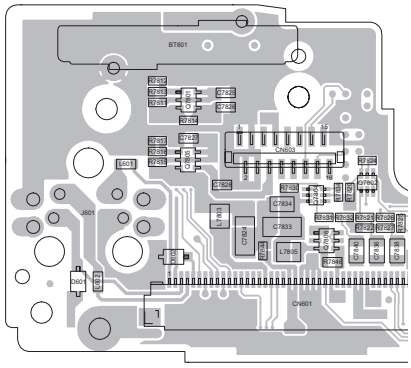
FOIL SIDE(B)



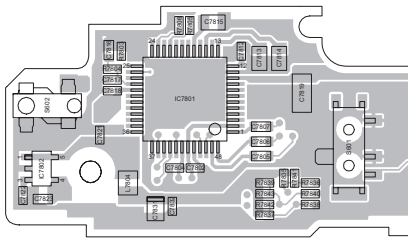
COMPONENT SIDE(A)



<06>MONI.OPE
LYB10033-001A

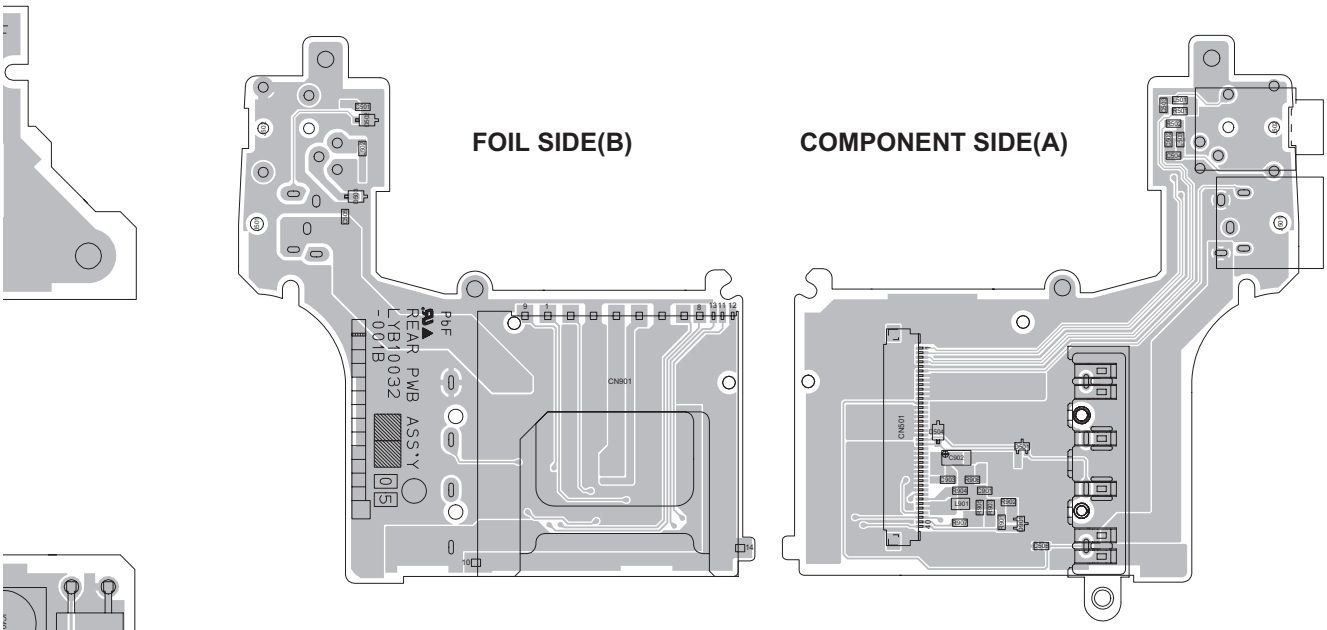


COMPONENT SIDE(A)

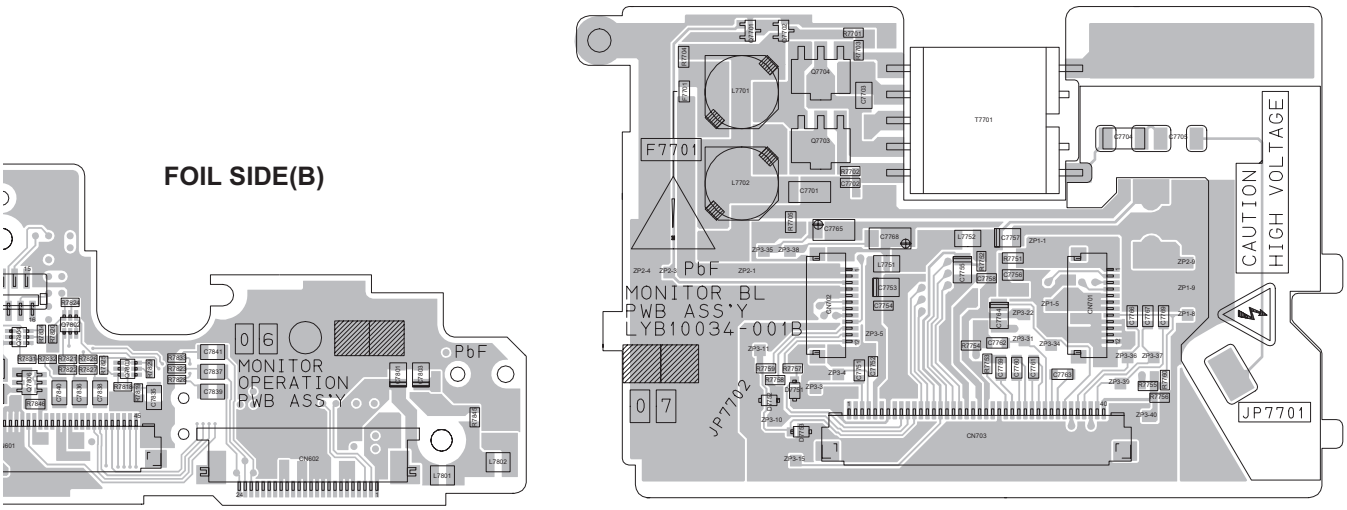


CAUTION :
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE AND RATED FUSE(S).
ATTENTION :
POUR UNE PROTECTION PERMANENTE CONTRE LES RISQUE D'INCENDE,
REMPLACER LES FUSIBLES PAR UNAAUTRE DE MEME TYPE ET DE MEME TENSION.

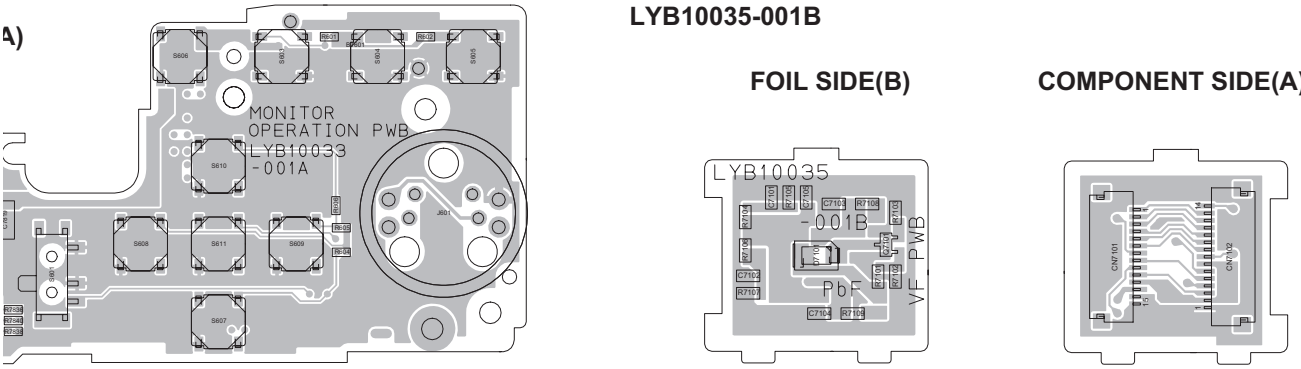
<05>REAR
LYB10032-001B



<07>MONI.BL
LYB10034-001B

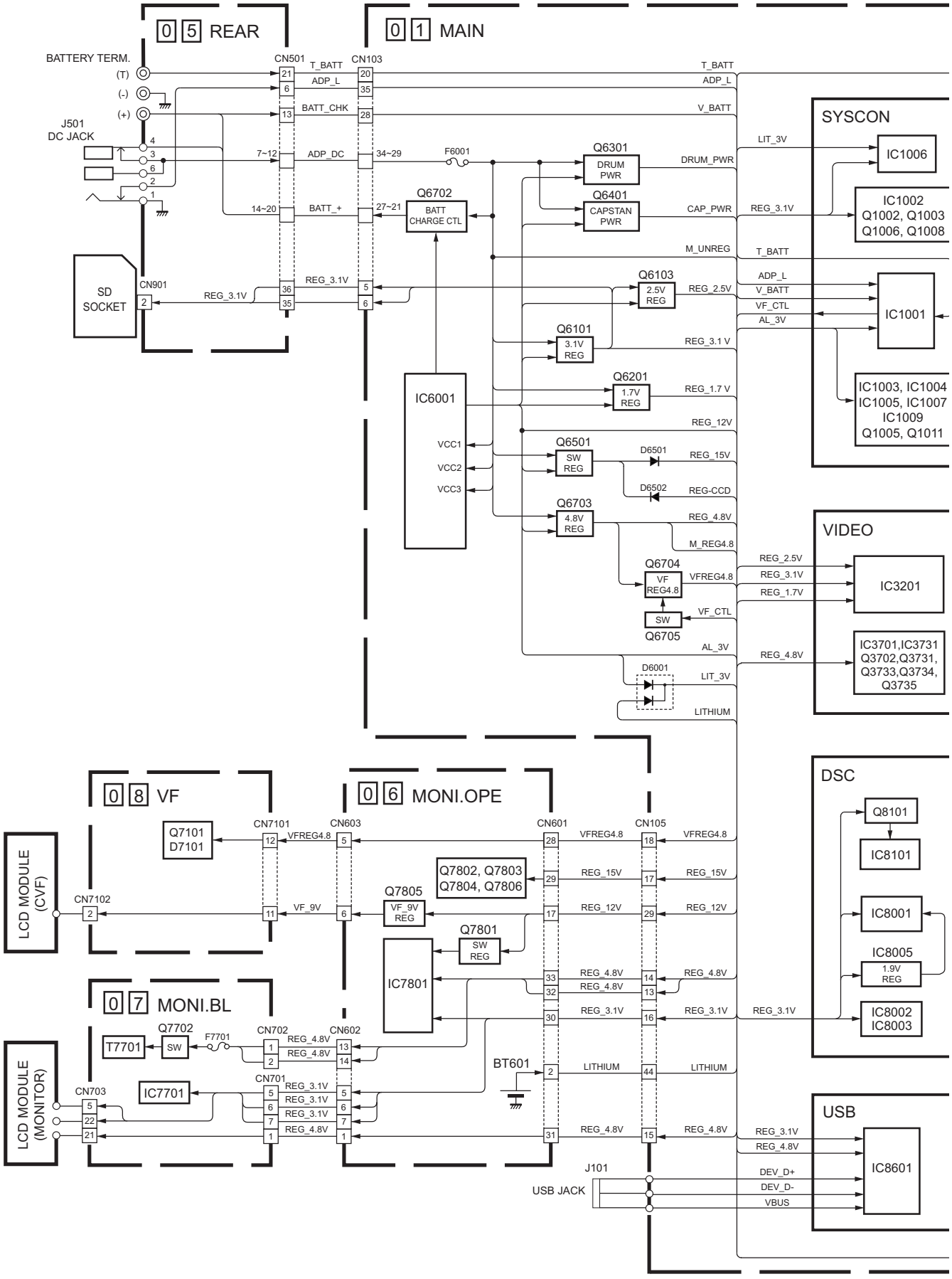


<08>VF
LYB10035-001B

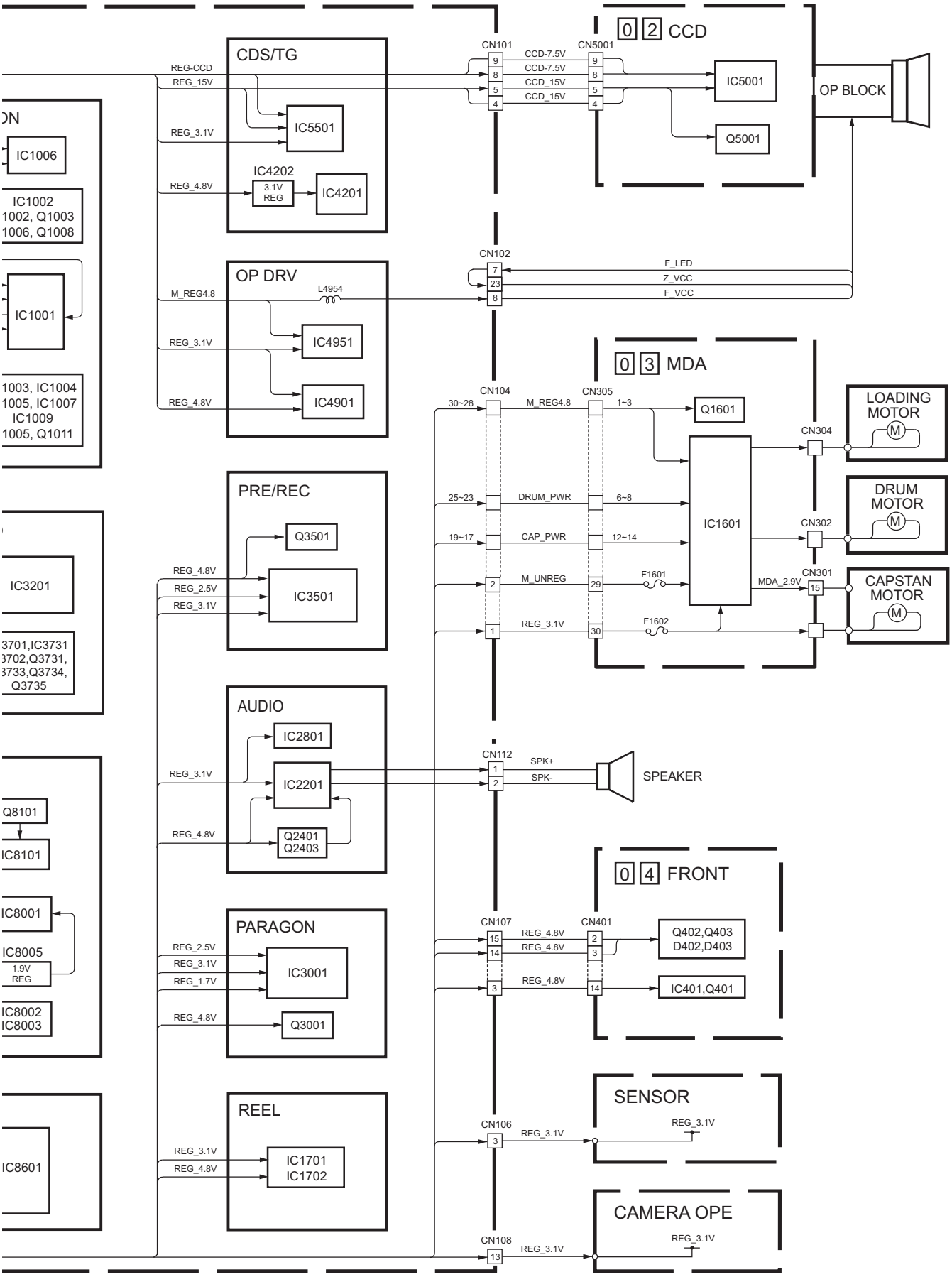


■ POWER SYSTEM BLOCK DIAGRAM

NOTE: There are circuits or functions that are not used according to the models. Pleas

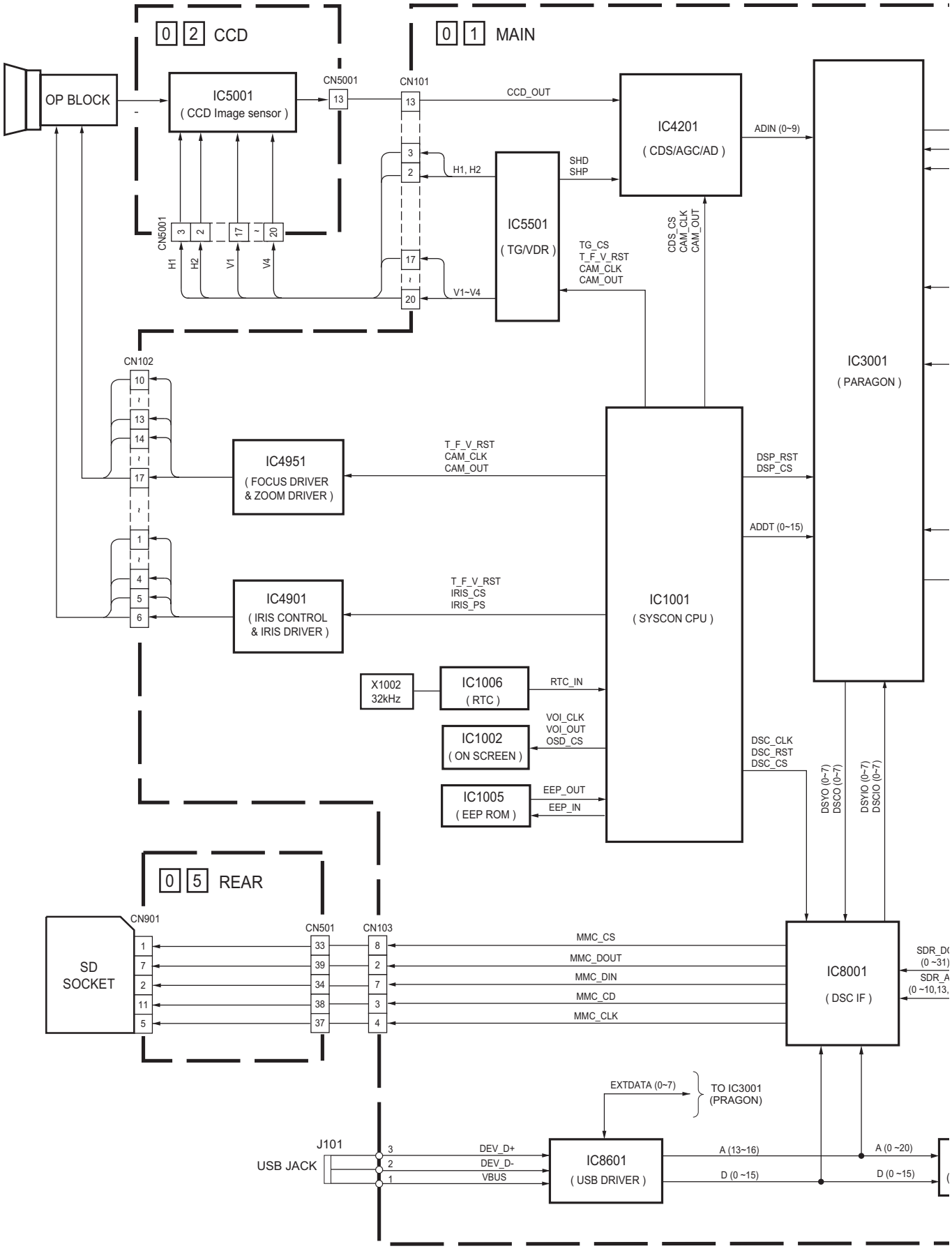


odels. Please check with the Parts List.

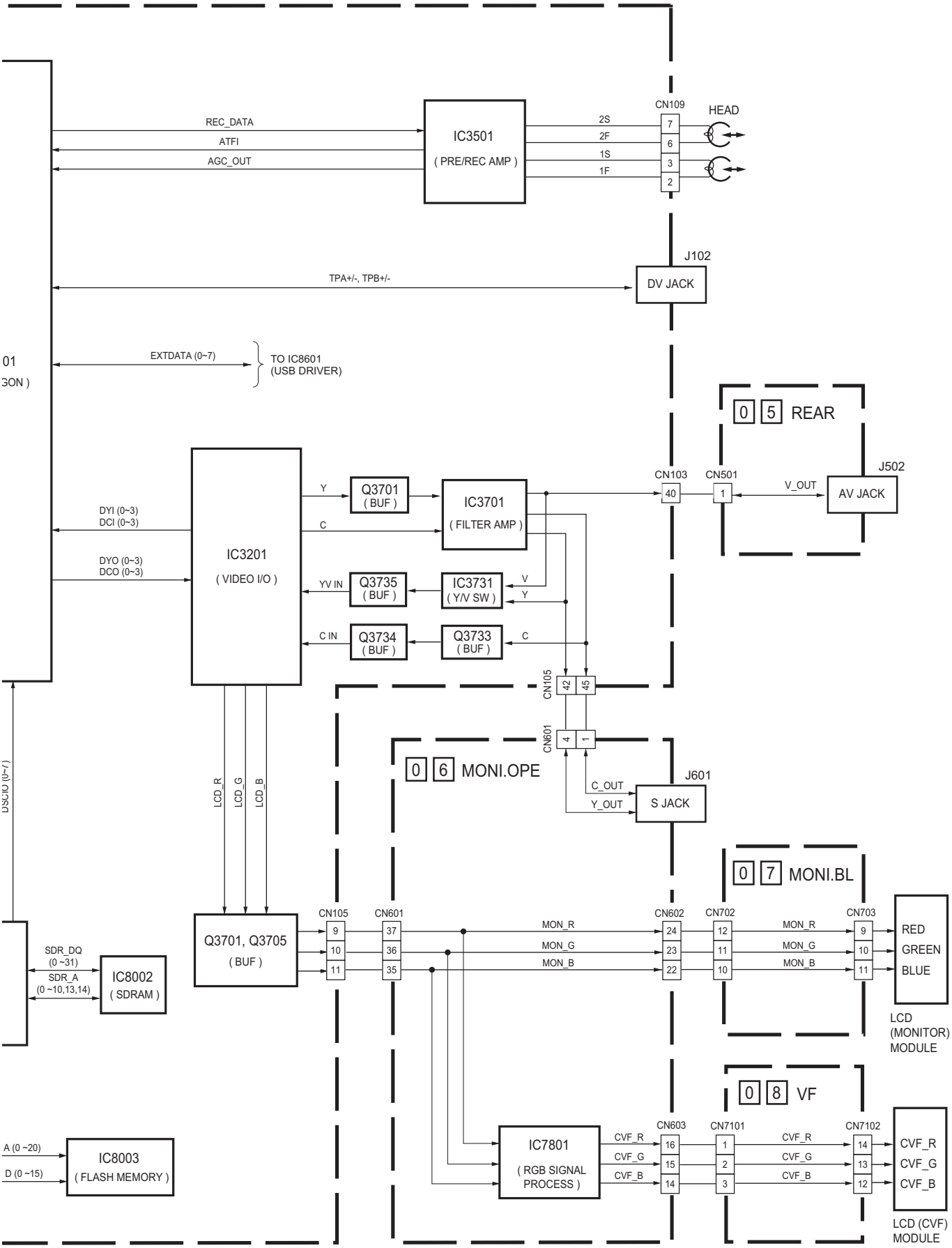


■ VIDEO SYSTEM BLOCK DIAGRAM

NOTE: There are circuits or functions that are not used according to the models. Pleas



odels. Please check with the Parts List.



■ VOLTAGE CHARTS

<MAIN>

MODE PIN NO.	REC	PLAY
IC1001	-	-
ICI002		
1	2.9	2.9
2	2.6	2.7
3	0.3	0.3
4	3.1	3.1
5	3.1	3.0
6	3.1	3.0
7	0	0
8	1.4	1.4
9	0	0
10	0	0
11	0	0
12	0	0
13	0	0
14	2.6	2.6
15	0	0
16	0	0
17	0	0
18	0	0
19	2.9	3.0
20	2.8	2.8
IC1003		
1	0	0
2	3.0	3.0
3	0	0
4	3.0	3.0
5	0	3.1
IC1004		
1	1.4	1.4
2	0	0
3	1.2	1.2
4	0	0
5	3.1	3.0
IC1005		
1	3.0	3.0
2	0	0.5
3	3.0	3.1
4	0	0
5	3.0	3.0
6	3.0	3.1
7	3.1	3.1
8	3.0	3.0
IC1006		
1	0	0
2	3.0	3.0
3	3.1	3.1
4	0	0
5	2.9	3.0
6	0.4	0.1
7	0.4	0.3
8	3.1	3.1
IC1007		
1	3.1	3.0
2	3.0	3.0
3	0	0
4	0	0
IC1009		
1	3.1	3.1
2	3.1	3.0
3	0	0
4	3.1	3.1
5	3.0	3.0
IC1701		
1	-	-
2	1.4	1.4
3	1.4	1.4
4	0	0
5	1.5	1.4
6	1.4	1.4
7	-	-
8	4.8	4.9
IC1702		
1	3.1	3.1
2	1.3	1.4
3	-	-
4	0	0
5	-	-
6	1.4	1.4
7	3.0	3.1
8	4.9	4.8
IC2201		
1	0.6	1.5
2	0	0
3	0.5	1.5
4	3.1	3.1
5	3.0	3.0
6	0	0
7	1.4	1.5
8	1.4	1.3
9	1.5	1.4
10	0	0
11	0	2.7
12	3.0	3.0
13	1.3	1.4
14	1.4	0
15	0	0.7
16	0.6	0.6
17	0	0
18	0.6	0.7
19	3.1	3.1
20	0	0
21	0.7	0.7
22	1.4	1.5
23	0.8	0.8
24	1.5	1.5
25	0	0
26	0	0
27	4.8	4.8
28	0	0
29	2.4	2.4
30	0	0
31	0	3.1
32	1.5	1.6
33	0	1.5
34	0.2	1.5
35	0	1.5
36	1.5	1.6
37	1.5	1.5
38	1.5	0
39	1.5	0
40	1.5	0
41	0	0
42	4.1	4.4
43	2.8	0
44	4.1	4.4
45	1.5	0
46	1.4	0
47	1.5	1.5
48	1.5	1.5
IC2801		
1	1.5	1.5
2	0.3	0.6
3	1.4	1.4
4	1.5	0
5	0	0
6	0	0
7	0	0
8	0	0
9	0	0
10	0	0
11	0	0
12	0.5	0.5
13	1.5	1.5
14	0.5	0.6
15	0.3	0.6
16	3.1	0
IC3001	-	-
IC3201	-	-
IC3501	-	-
IC3701		
1	0	0
2	0	0
3	0	0
4	0	0
5	0	0
6	0	0
7	0	0
8	0	0
9	4.8	4.8
10	0	0
11	0	0
12	0	0
13	0	0
14	2.3	1.6
15	4.8	4.8
16	0	0
IC3731		
1	3.1	3.1
2	1.3	1.3
3	4.8	4.8
4	1.3	1.3
5	0	0
6	1.5	1.5
IC4201		
1	1.0	0
2	0.7	0
3	0.4	0
4	0	0
5	0	3.0
6	0	0
7	0	0
8	0	0
9	1.0	0
10	2.9	3.0
11	0	0
12	1.1	1.3
13	2.9	3.0
14	2.3	0
15	2.9	0
16	2.1	0
17	2.2	0
18	0	0
19	3.0	3.0
20	1.9	0
21	1.9	0
22	1.9	1.6
23	1.9	0
24	1.0	0
25	3.0	3.0
26	0	0
27	0.5	0.2
28	1.4	0
29	1.9	0
30	0.7	0
31	2.9	3.0
32	0	0
33	3.0	3.1
34	0	0
35	3.0	3.0
36	1.1	0
IC4202		
1	4.8	4.8
2	0	0
3	1.2	1.2
4	3.0	3.0
5	4.8	4.8
IC4901	-	-
IC4951		
1	0.7	0.7
2	0.1	0
3	1.5	1.5
4	0	1.5
5	0	0
6	3.0	2.8
7	0	0
8	3.0	2.9
9	0	0
10	3.0	3.0
11	1.5	1.5
12	3.1	3.1
13	4.8	4.8
14	0	0
15	0	0
16	0	0
17	0.1	0.3
18	4.8	4.8
19	0	0
20	0	0
21	0	0
22	0.1	0.4
23	0.1	0.3
24	0	0
25	0.9	0.3
26	4.8	4.8
27	0	0
28	0	0
29	0	0
30	0	0
31	0	0
32	0	0
33	0	0
34	0	0
35	4.8	4.8
36	0.8	0.4
37	0	0
38	0.5	0.5
39	0.8	0.5
40	0	0
41	0	0
42	0	0
43	4.9	4.8
44	0.8	0.5
45	0	0
46	0	0
47	0	0
48	4.9	4.8
IC5501		
1	0	0
2	3.0	3.0
3	0	0
4	3.0	3.0
5	0	0
6	3.0	2.9
7	0.3	0
8	0.3	0
9	0	0
10	3.1	0
11	1.5	0
12	3.0	3.0
13	0	0
14	1.2	0
15	0	0
16	3.0	3.0
17	0	0
18	2.2	0
19	2.3	0
20	0	0
21	0	0
22	1.2	1.2
23	0	0
24	3.0	3.0
25	-0.7	-0.6
26	3.0	0
27	2.5	0
28	3.0	0
29	0	0
30	0	0.2
31	0	0
32	3.0	0
33	0	3.0
34	1.5	0
35	0	0
36	3.0	3.0
37	0	0
38	0	0
39	0	0
40	-0.3	0
41	-7.0	0
42	-0.3	15.0
43	15.0	15.0
44	-7.0	15.0
45	-7.0	15.0
46	-7.4	0
47	0	0
48	3.1	3.1
IC6001		
1	0	0
2	7.9	7.9
3	6.8	6.8
4	9.3	9.3
5	8.2	8.2
6	8.5	8.4
7	9.6	9.6
8	8.2	8.2
9	6.2	6.2
10	0	30
11	10.8	10.8
12	12.0	12.0
13	8.4	8.4
14	1.2	1.1
15	0.7	0.7
16	1.0	1.0
17	0	0
18	3.1	3.1
19	11.0	11.0
20	11.0	11.0
21	0	0
22	0	0
23	3.1	3.1
24	3.1	3.1
25	3.0	3.0
26	3.1	3.1
27	3.1	3.1
28	3.1	3.1
29	1.0	1.0
30	0	0
31	0	0
32	0	0
33	0	0
34	2.7	2.7
35	0	0
36	0	0
37	0.9	1.0
38	1.0	0.9
39	1.0	1.0
40	0.8	0.8
41	0	0.1
42	0	0
43	0.7	0.6
44	0.3	0.2
45	0.3	0.2
46	0.7	0.8
47	1.0	1.0
48	0.7	0.7
49	1.0	1.0
50	0.78	0.8
51	0.8	0.8
52	1.0	1.0
53	0	0
54	0	0
55	1.0	1.0
56	3.1	3.1
57	1.6	1.7
58	2.8	2.7
59	2.7	2.7
60	1.2	1.2
61	15.0	15.0
62	10.8	10.8
63	1.4	1.4
64	11.0	11.0
IC8001	-	-
IC8002		
1	3.0	3.1
2	0	0
3	3.1	3.1
4	0	0
5	0	0
6	0	0
7	0	0
8	0	0
9	3.1	3.0
10	0	0
11	0	0
12	0.9	0.9
13	0	0.1
14	0.2	0.3
15	0	0
16	0	0.2
IC8102		
1	1.4	1.3
2	0	0
3	0	0
4	0	0
5	3.0	3.0
6	0	0
IC8601	-	-
Q1001		
E	3.1	3.0
C	3.0	3.0
B	3.0	3.0
Q1002		
1	0	0
2	3.0	3.0
3	3.0	3.0
4	2.9	2.9
5	0	0
Q1003		
1	0	0
2	0	0
3	3.0	3.0
4	-0.4	-0.4
5	0	3.0
Q1005		
1	0	0
2	0	2.9
3	3.0	3.1
4	3.0	3.0
5	0	0
Q1006		
E	0	0
C	3.0	3.0
B	0.5	0.5
Q1007		
E	0	0
C	0	0
B	3.0	0
Q1008		
E	0	0
C	1.4	1.4
B	0	0
Q1009		
E	0	0
C	0.5	0.5
B	0	0
Q1011		
E	0	0
C	3.0	3.0
B	0	0
Q2201		
E	0	0
C	1.5	1.5
B	0	0
Q2202		
1	0	0
2	0	0
3	0	0
4	0	0
5	0	0
6	0	0
Q2401		
E	4.2	4.5
C	4.9	4.8
B	4.8	4.8
Q2403		
E	3.1	3.1
C	4.8	4.8
B	3.7	3.8
Q3001		
E	3.2	3.1
C	4.8	4.8
B	3.8	3.9
Q3501	-	-
Q3701		
1	0.8	0.8
2	0.2	0.1
3	0	0
4	0.9	0.9
5	0.2	0.2
6	0	0
Q3702		
1	0	0
2	0	0
3	0	0
4	4.8	4.9
5	4.5	4.5
6	4.5	4.5
Q3705		
1	0.8	0.9
2	0.3	0.3
3	0	0
4	0.8	0.8
5	0.4	0.2
6	0	0
Q3706		
E	0	0
C	0	0
B	0	0
Q3707		
E	0	0
C	0	0
B	0	0
Q3731		
E	0	0
C	4.8	4.8
B	0	0
Q3733		
1	1.8	1.8
2	2.4	2.4
3	2.9	2.8
4	4.8	4.8
5	4.2	4.1
6	4.3	4.2
Q3734		
E	2.2	2.2
C	4.9	4.8
B	2.8	2.9
Q3735		
1	0	0
2	0	0
3	0	0
4	1.4	1.5
5	0.9	0.9
6	4.8	4.8
Q4951		
E	0	0
C	3.5	3.6
B	0	0
Q6101		
1	0	0
2	11.0	11.0
3	7.9	7.9
4	3.0	3.0
5	3.0	3.0
6	2.9	3.0
Q6102		
S	6.8	6.8
D	0	0
G	3.0	3.0
Q6103		
S	1.2	1.2
D	3.0	3.1
G	2.5	2.5
Q6201		
1	0	0
2	11.0	11.0
3	9.3	9.3
4	1.6	1.6
5	1.6	1.6
6	1.6	1.6
Q6202		
S	8.1	8.1
D	0	0
G	1.6	1.6
Q6301		
1	0	0
2	11.0	10.9
3	8.5	8.3
4	2.7	2.7
5	2.7	2.7
6	2.7	2.7
Q6401		
1	0	0
2	11.0	11.0
3	9.6	9.6
4	1.1	1.1
5	1.1	1.1
6	1.2	1.1
Q6501		
S	8.2	8.2
D	11.0	11.0
G	0	0
Q6502		
1	0	-7.0
2	-7.4	-7.4
3	-15.2	-15.2
4	-6.9	-7.0
5	-7.4	-7.5
6	-13.1	-14.8
Q6503		
E	-13.7	-15.2
C	-7.4	-7.5
B	-13.2	-14.9
Q6701		
S	6.2	6.2
D	11.0	11.0
G	4.9	5.0
Q6702		
S	9.8	9.8
D	4.9	4.8
G	0	0
Q6703		
S	0	0
D	4.8	4.8
G	4.8	4.8
Q6704		
E	4.8	4.8
C	0	0
B	4.8	4.8
Q6705		
E	0	0
C	4.8	4.8
B	0	0
Q8101		
E	3.1	3.1
C	0.9	0.9
B	2.7	2.6
Q8601		
1	0	0
2	3.1	3.1
3	0	0
4	0	0
5	0	0
6	0	0

<MDA>

MODE PIN NO.	REC	PLA
IC1601		
1	0	
2	0.3	0.
3	0	0.
4	0	
5	0.4	0.
6	0	
7	0	
8	1.5	1.
9	1.5	1.
10	1.5	1.
11	1.5	
12	1.5	1.
13	1.5	1.
14	2.7	2.
15	1.2	1.
16	1.5	1.
17	1.5	1.
18	1.2	1.
19	1.5	1.
20	1.5	1.
21	3.0	3.
22	0.7	0.
23	0.4	0.
24	1.4	1.
25	1.3	1.
26	11.0	10.
27	0	
28	2.7	2.
29	0	0.
30	1.2	1.
31	0.7	0.
32	0.9	0.
33	1.3	1.
34	1.3	1.
35	1.3	
36	0	
37	1.3	1.
38	0	
39	1.4	1.
40	0	
41	0	
42	0	
43	0	
44	0	
45	4.8	4.
46	1.5	
47	1.5	1.
48	1.5	1.
49	1.5	1.
50	0	
51	13.9	14.
52	2.4	2.
53	12.5	12.
54	0	
55	0	
56	0	
57	3.0	3.
58	2.9	2.
59	0	
60	1.1	1.
61	0.3	0.
62	1.5	1.
63	0.7	0.
64	1.0	1.
Q1601	-	

DA>

ODE N NO.	REC	PLAY
1601		
1	0	0
2	0.3	0.5
3	0	0.5
4	0	0
5	0.4	0.5
6	0	0
7	0	0
8	1.5	1.5
9	1.5	1.5
10	1.5	1.5
11	1.5	0
12	1.5	1.5
13	1.5	1.5
14	2.7	2.7
15	1.2	1.0
16	1.5	1.5
17	1.5	1.5
18	1.2	1.5
19	1.5	1.4
20	1.5	1.5
21	3.0	3.1
22	0.7	0.7
23	0.4	0.3
24	1.4	1.4
25	1.3	1.4
26	11.0	10.4
27	0	0
28	2.7	2.7
29	0	0.7
30	1.2	1.3
31	0.7	0.7
32	0.9	0.9
33	1.3	1.3
34	1.3	1.2
35	1.3	0
36	0	0
37	1.3	1.2
38	0	0
39	1.4	1.5
40	0	0
41	0	0
42	0	0
43	0	0
44	0	0
45	4.8	4.8
46	1.5	0
47	1.5	1.5
48	1.5	1.5
49	1.5	1.5
50	0	0
51	13.9	14.0
52	2.4	2.4
53	12.5	12.4
54	0	0
55	0	0
56	0	0
57	3.0	3.0
58	2.9	2.9
59	0	0
60	1.1	1.1
61	0.3	0.3
62	1.5	1.5
63	0.7	0.7
64	1.0	1.0
1601	-	-

<FRONT>

MODE PIN NO.	REC	PLAY
IC401		
1	4.5	4.6
2	0	0
3	4.7	4.8
Q401		
E	0	0
C	4.5	4.5
B	-	-
Q402		
1	0	0
2	0	0
3	0	0
4	0.1	0
5	0.8	0.8
6	2.8	2.8
Q403		
1	0	0
2	0	0
3	0	0
4	0	0
5	0.8	0.8
6	2.8	2.8
Q404		
E	0	0
C	0	0
B	0.7	0.6

<MONI.OPE>

MODE PIN NO.	REC	PLAY
IC7801		
1	2.5	2.5
2	3.0	3.0
3	2.0	2.0
4	2.0	2.1
5	2.0	1.9
6	2.0	2.0
7	2.0	2.0
8	2.0	2.0
9	1.0	1.0
10	11.2	11.2
11	0	0
12	5.6	0
13	1.3	1.3
14	1.2	1.2
15	1.2	1.3
16	1.1	1.0
17	0	1.2
18	1.1	1.1
19	4.3	5.7
20	0.9	1.0
21	1.5	1.5
22	1.2	1.5
23	1.5	1.5
24	0	0
25	0.5	0
26	0	0
27	0.9	0.9
28	0.9	0.8
29	3.1	3.1
30	0	0
31	0.5	0
32	1.5	1.5
33	0.2	0.3
34	1.3	1.5
35	0	3.1
36	3.0	3.1
37	0	0
38	0	0
39	3.0	3.0
40	0	0
41	1.5	1.5
42	3.1	3.0
43	3.0	3.0
44	0	0
45	3.1	3.1
46	2.9	2.8
47	2.5	2.4
48	2.5	2.5
Q7801		
1	11.2	11.1
2	11.8	11.8
3	12.0	12.0
4	11.1	11.2
5	11.8	11.8
6	11.8	11.8
Q7802		
1	3.4	3.4
2	4.0	4.0
3	14.9	14.9
4	5.2	5.1
5	5.7	5.7
6	5.7	5.7
Q7803		
1	3.4	3.3
2	4.0	4.0
3	14.9	15.0
4	5.2	5.1
5	5.7	5.7
6	5.7	5.7
Q7804		
1	3.4	3.4
2	4.0	4.0
3	14.9	15.0
4	5.2	45.2
5	5.8	5.7
6	5.7	5.7
Q7805		
1	9.2	9.2
2	9.8	9.8
3	12.0	12.0
4	9.2	9.2
5	9.8	9.8
6	9.8	9.8
Q7806		
1	0	0
2	3.1	3.0
3	15.0	14.9
4	15.0	15.0
5	0	0
6	0	0

<MONITOR BL>

MODE PIN NO.	REC	PLAY
IC7701		
1	3.1	3.1
2	0	0
3	3.0	3.0
Q7701		
E	0	0
C	0	0
B	3.1	3.1
Q7702		
E	4.6	4.6
C	4.5	4.5
B	0	0
Q7703		
E	0.4	0.3
C	4.5	4.4
B	0	0
Q7704		
E	0.4	0.4
C	1.5	4.5
B	0	0

<VF>

MODE PIN NO.	REC	PLAY
Q7101		
E	0	0
C	0	0
B	0	0

<CCD>

MODE PIN NO.	DC
IC5001	
1	15.0
2	12.8
3	8.0
4	-7.5
5	0
6	0
7	8.6
8	0
9	15.0
10	0
11	15.0
12	0
13	0
14	10.9
Q5001	
E	10.2
C	15.0
B	10.8
Q5002	
E	0
C	8.6
B	0

JVC
Victor Company of Japan, Limited
AV & MULTIMEDIA COMPANY CAMCORDER CATEGORY 12, 3-chome, Moriya-cho, kanagawa-ku, Yokohama, kanagawa-prefecture, 221-8528, Japan

(No.YF089)

Printed in Japan
VPT

PARTS LIST

SAFETY PRECAUTION

Parts identified by the ⚠ symbol are critical for safety. Replace only with specified part numbers.

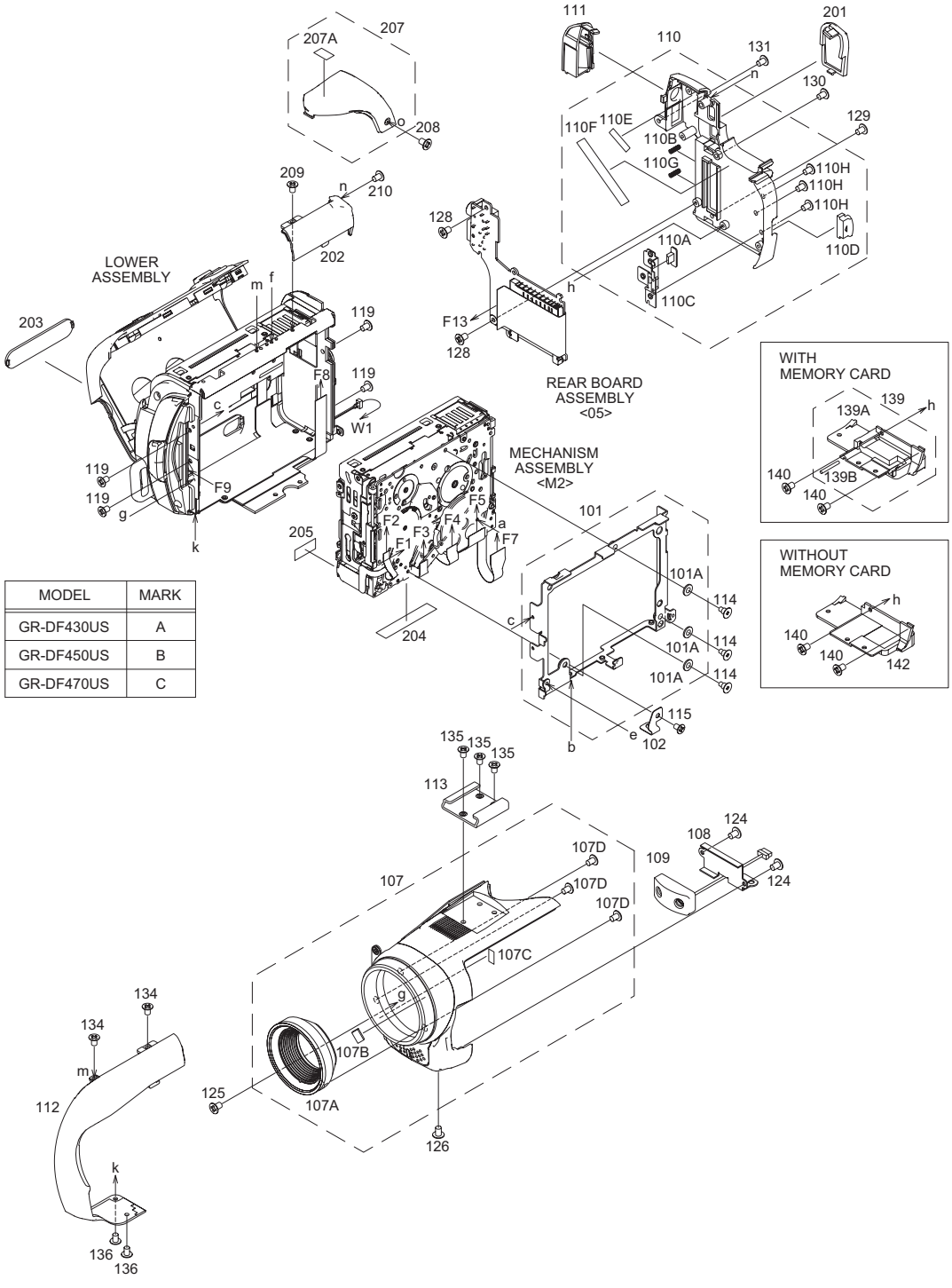
BEWARE OF BOGUS PARTS

Parts that do not meet specifications may cause trouble in regard to safety and performance. We recommend that genuine JVC parts be used.

1. EXPLODED VIEW

1.1 FINAL ASSEMBLY<M1>

The instruction manual to be provided with this product will differ according to the destination.



MODEL	MARK
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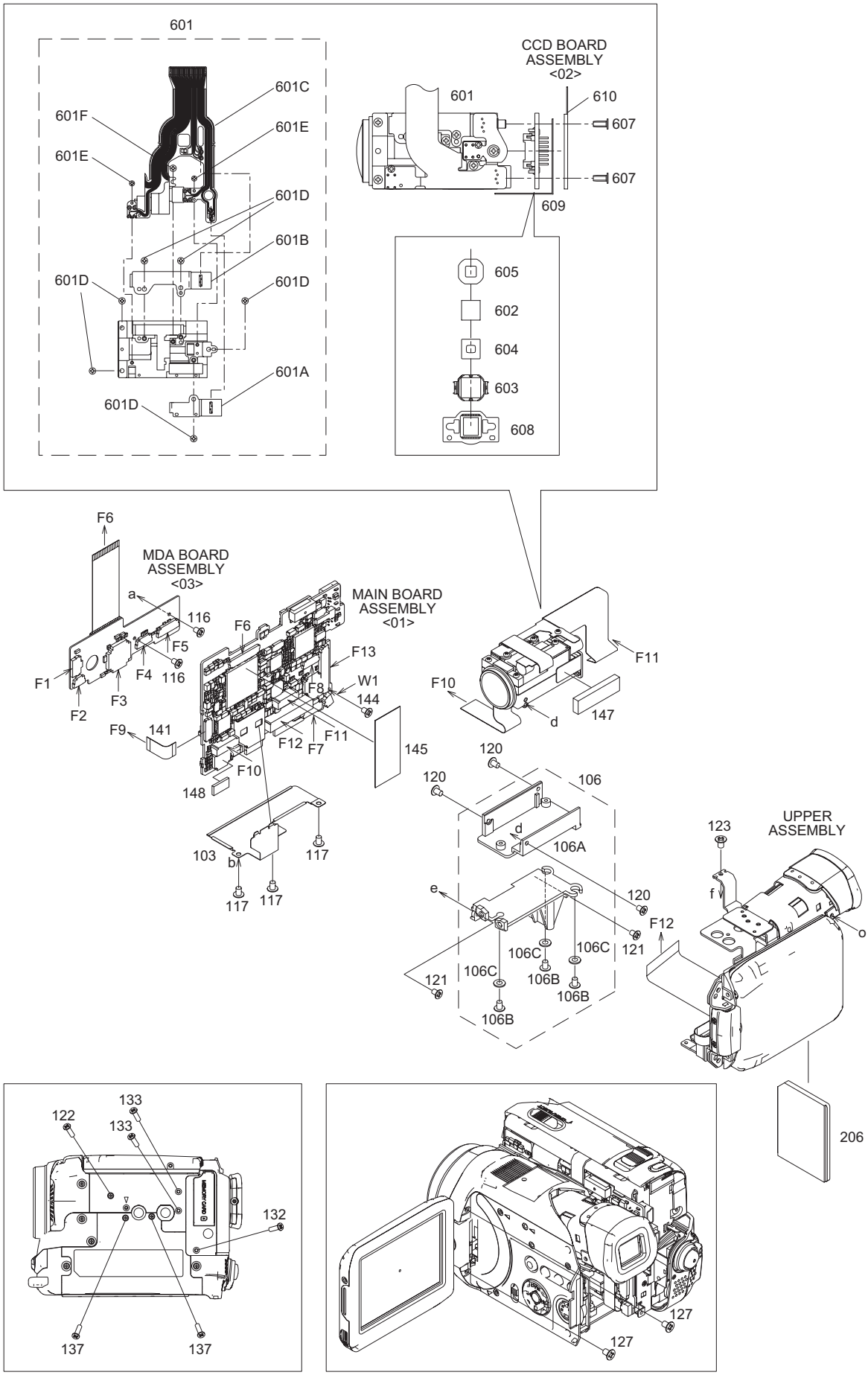
GR-DF450US	B
GR-DF470US	C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601B
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CCD BOARD
ASSEMBLY
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MAIN BOARD
ASSEMBLY
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F9
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F10
148
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b
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F10
d
147
120
120
106
d
106A
e
120
F12
121
106C
106C
106C
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UPPER
ASSEMBLY
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133
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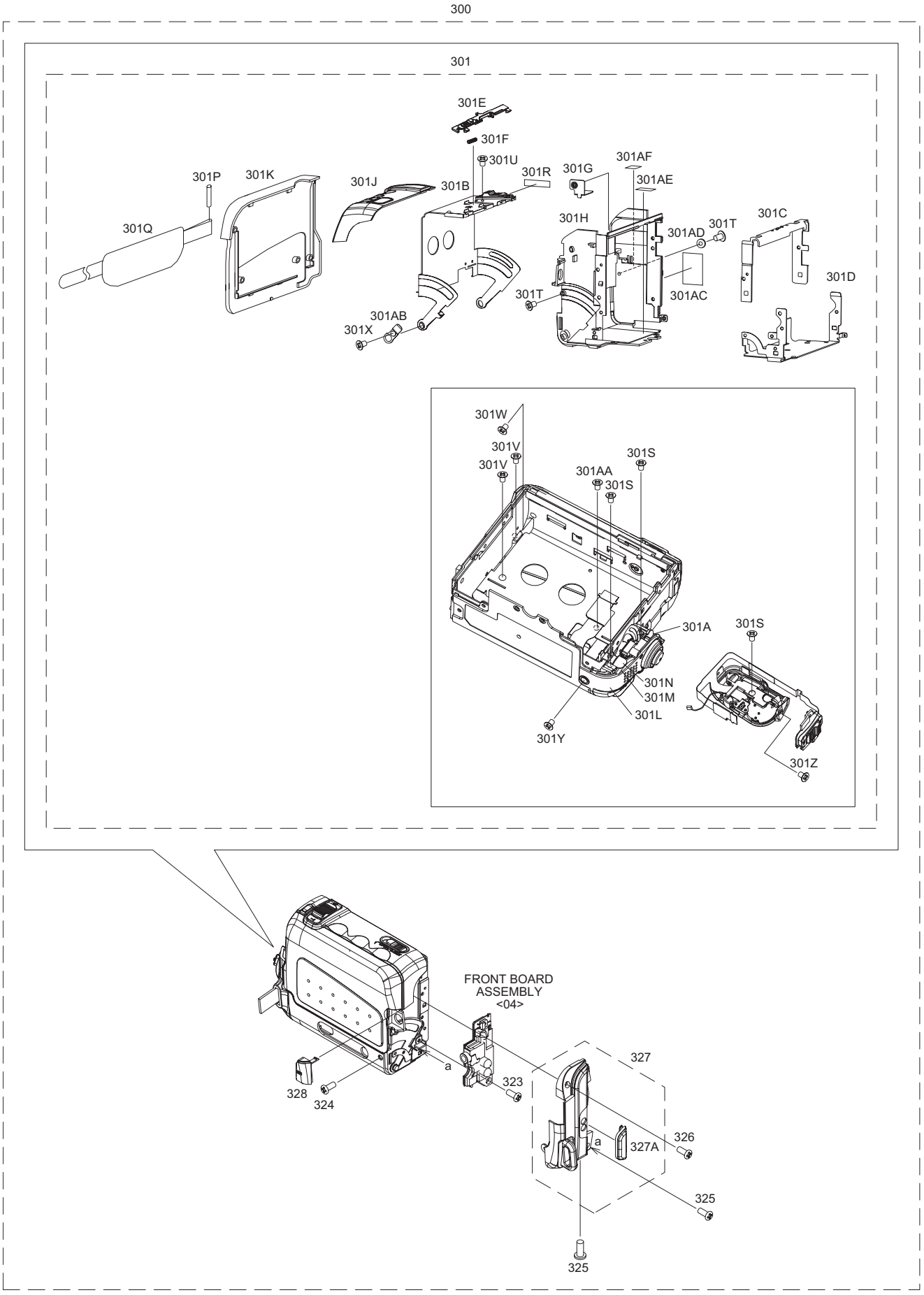
127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301AC
301AB
301X
301W
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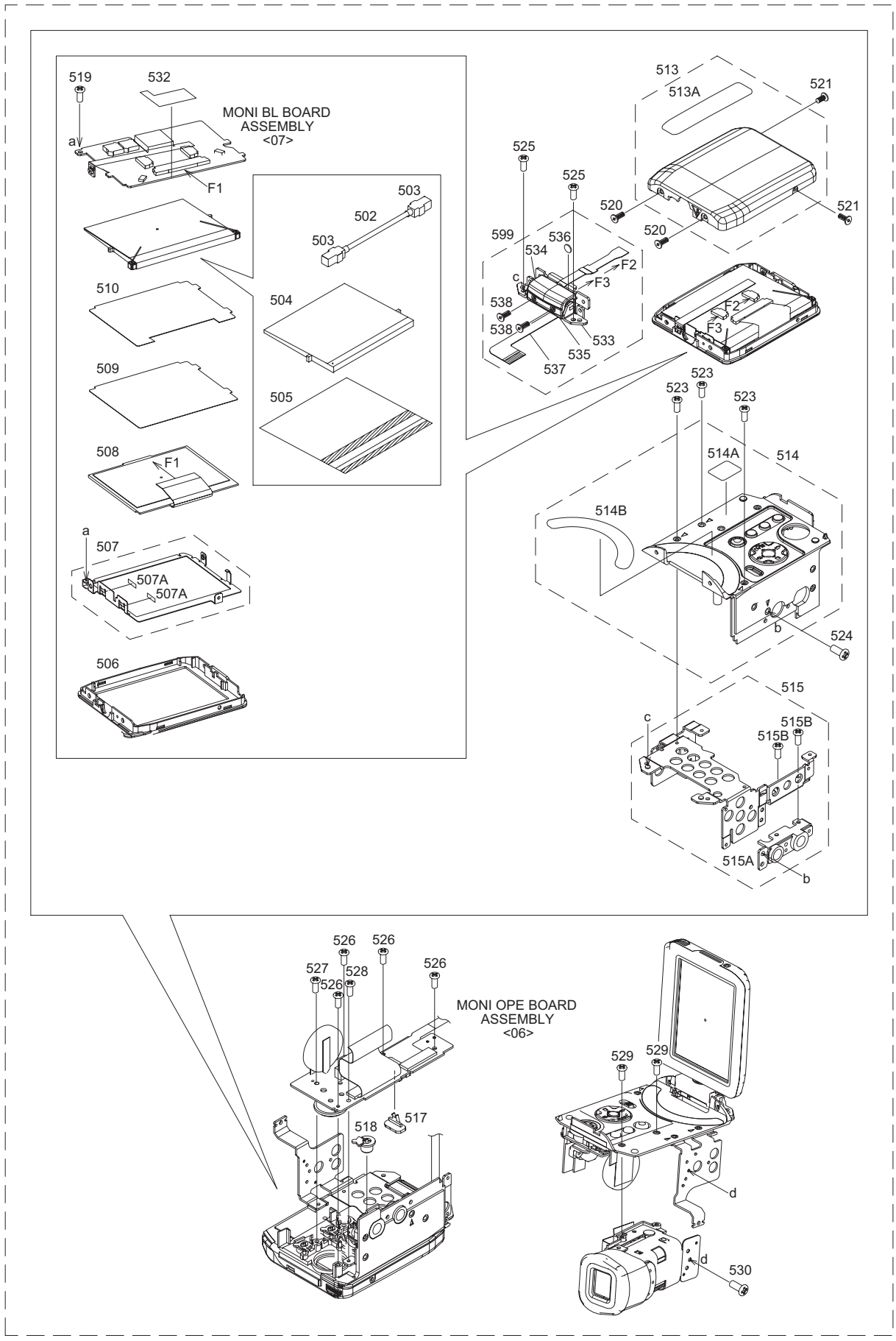
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532
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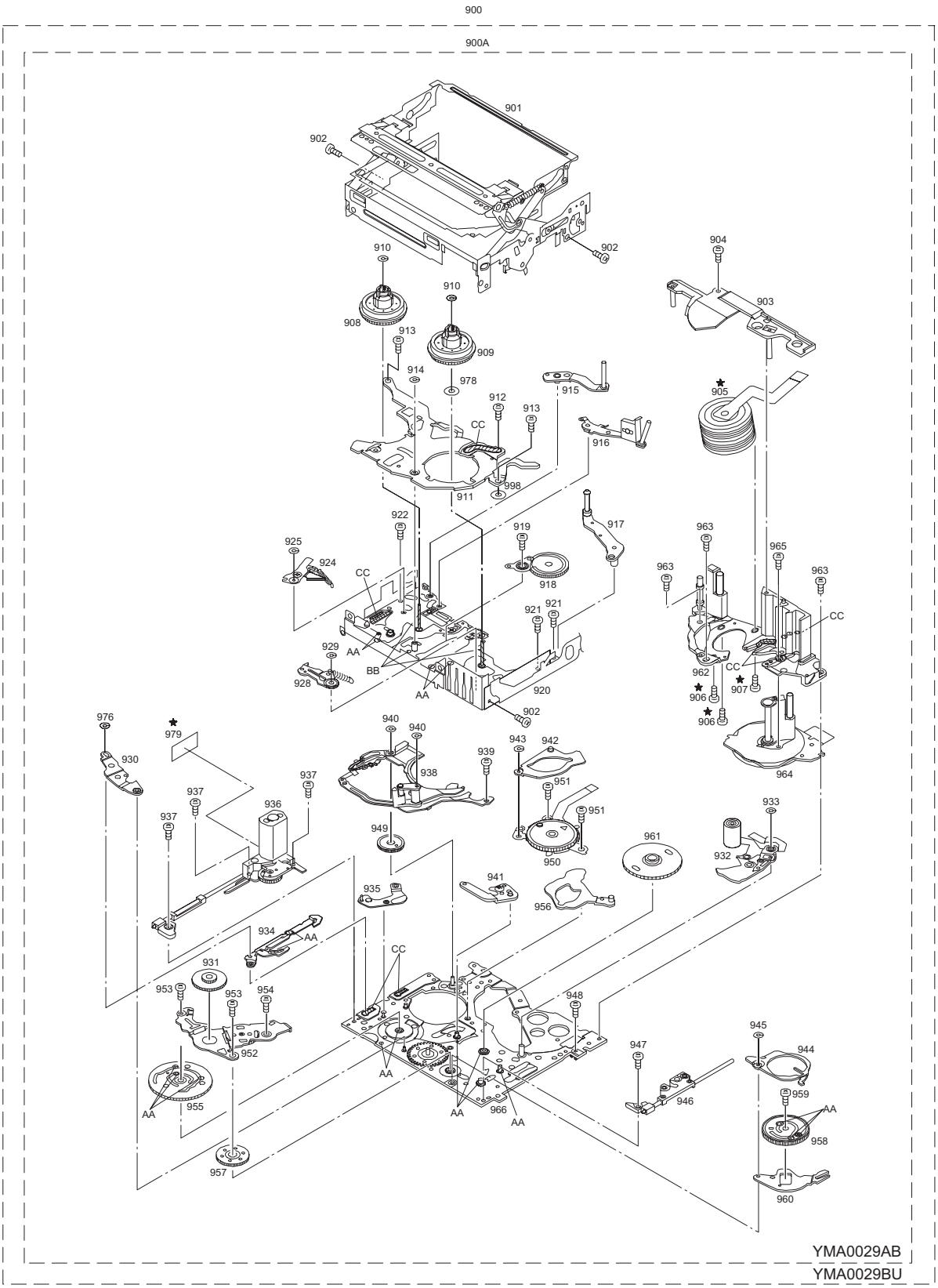
515B
515B
515A
b
526
526
527
528
526
526
MONI OPE BOARD
ASSEMBLY
<06>
518
517
529
529
d
d
530

1.2 MECHANISM ASSEMBLY<M2>

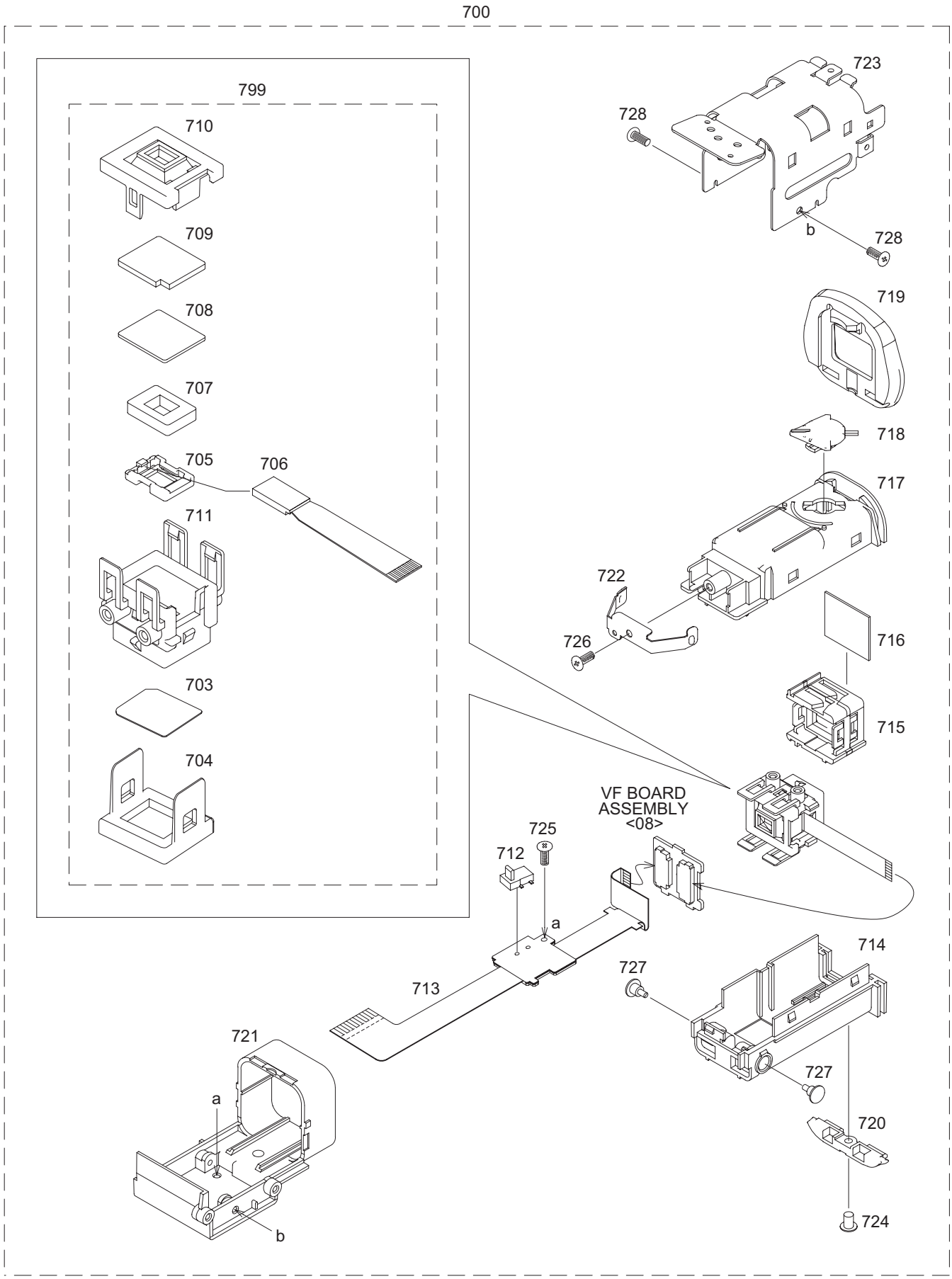


Classification	Part No.	Symbol in drawing
Grease	KYODO-SH-JB	AA
Oil	YTU94027	BB
Grease	JVS-306U	CC

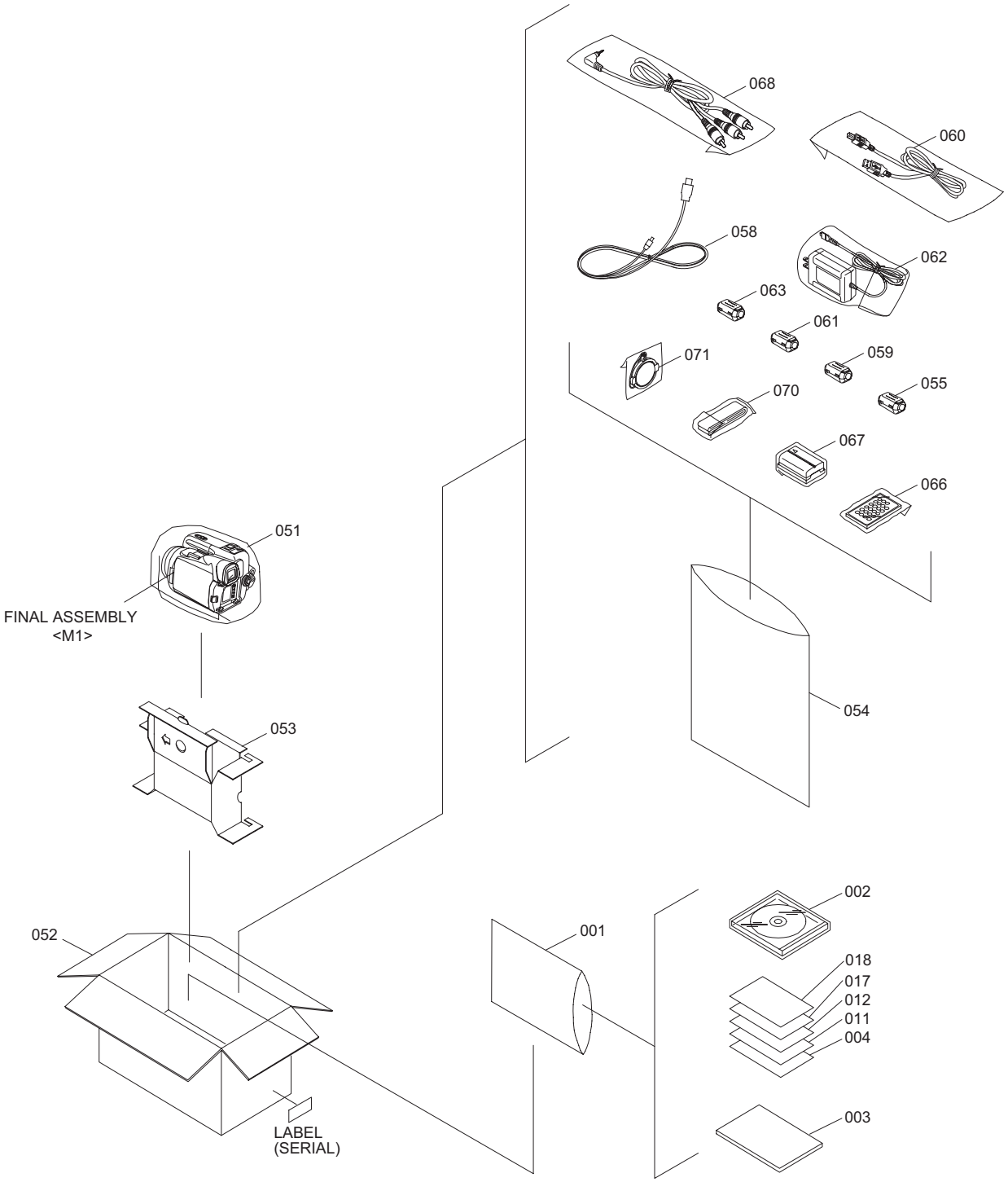
NOTE1: The section marked in AA, BB and CC indicate lubrication and greasing areas.

NOTE2: Mark ★ is not contained in 900A.

1.3 VF(COLOR) ASSEMBLY <M3>



1.5 PACKING AND ACCESSORY ASSEMBLY <M5>



MODEL	MARK
GR-DF430US	A
GR-DF450US	B
GR-DF470US	C

2. PARTS LIST

FINAL ASSEMBLY <M1>

⚠ Symbol No.	Part No.	Part Name	Description	Local
101	LY34801-001B	BKT(MECHA)ASSY		
101A	LY42796-003A	BUSH	(x3)	
102	LY34174-001A	BKT(PRE-REC)		
103	LY34803-001A	SHIELD PLATE		
106	LY34796-001C	BKT ASSY(OP N-MG)		
106A	LY34798-001A	HOLDER(OP)		
106B	LY30032-021A	SPECIAL SCREW	(x3)	
106C	LY34799-001A	BUSH	(x3)	
107	LY34769-002D	FRONT COVER(N-MG)ASSY		A
107	LY34769-001E	FRONT COVER(N-MG)ASSY		B,C
107A	LY34771-001A	HOOD(NON-MEGA)		
107B	LY34935-001A	EARTH(PLATE)		
107C	LY30034-0R9A	SPACER(A)		
107D	LY30031-002A	SPECIAL SCREW	(x3)	
108	LY34776-001B	BRACKET(FRONT)		
109	LY34907-001B	MIC ASSY		
⚠ 110	LY34784-002C	REAR COVER ASSY		A
⚠ 110	LY34784-001D	REAR COVER ASSY		B,C
110A	LY34781-001B	KNOB(MONI.LOCK)		
110B	LY30002-063A	COMPRESSION SPRING		
110C	LY34915-001B	BKT(M.LOCK)ASSY		
110D	LY34783-001A	KNOB(B.LOCK)		
110E	LY34938-001A	BKT(R GND1)		
110F	LY34939-001A	BKT(R GND2)		
110G	LY30002-064A	COMPRESSION SPRING		
110H	LY30031-0D9A	SPECIAL SCREW	BKT-RCOV(x3)	
111	LY34786-001B	JACK COVER(DC)		
112	LY10571-001B	CENTER COVER		
113	LY34795-001A	SHOE		
114	LY30032-002A	SPECIAL SCREW	MECHA-BKT(x3)	
115	LY30031-015A	SPECIAL SCREW	BKTP/R-MEC	
116	LY30031-015A	SPECIAL SCREW	MDAPWB-MEC(x2)	
117	LY30031-041A	SPECIAL SCREW	SH.P/R-M.B(x3)	
119	LY30031-0E2A	SPECIAL SCREW	MBKT-B.ARM(x4)	
120	LY30031-023A	SPECIAL SCREW	OP-HOLD OP(x3)	
121	LY30031-0E2A	SPECIAL SCREW	OPBKT-MBKT(x2)	
122	LY30031-0A7A	SPECIAL SCREW	UPPER-OPBK	
123	LY30031-0E2A	SPECIAL SCREW	FRMUP-BARM	
124	QYSPSGT1750RA	TAP SCREW	BKT-FRONT M1.7 x 5mm(x2)	
125	LY30031-0E2A	SPECIAL SCREW	FRONT-BKTA	
126	LY30031-0E2A	SPECIAL SCREW	FRONT-FRMU	
127	LY30031-0A7A	SPECIAL SCREW	UPPER-FRT(x2)	
128	LY30031-0G8A	SPECIAL SCREW	RPWB-REAR(x2)	
129	LY30031-0E2A	SPECIAL SCREW	REAR-BBOTT	
130	LY30031-0J5A	SPECIAL SCREW	REAR-VF	
131	LY30031-0E2A	SPECIAL SCREW	REAR-LOWER	
132	LY30031-0E2A	SPECIAL SCREW	HOLDSD-BKT	
133	LY30031-0E2A	SPECIAL SCREW	UPPER-REAR(x2)	
134	LY30031-0E2A	SPECIAL SCREW	CTR-BKTB(x2)	
135	LY30031-0H3A	SPECIAL SCREW	SHOE-FRMUP(x3)	
136	LY30031-0E2A	SPECIAL SCREW	CTR-BKTT(x2)	
137	LY30031-0H3A	SPECIAL SCREW	LOWER-BASE(x2)	
139	LY34860-001B	COVER(SD)ASSY		B,C
139A	LY34825-001B	HOLDER(SD)		B,C
139B	LY45015-001A	SHAFT		B,C
140	LY30031-0G8A	SPECIAL SCREW	HLDSD-RCOV(x2)	
141	WJT0178-001A-E	E-CARD WIRE		
142	LY34780-001A	HOLDER(NON-SD)		A
144	LY30031-0E2A	SPECIAL SCREW	MAIN-MBKT	
145	LY34927-001A	HEAT SINK1	MAIN	
147	LY34928-001A	HEAT SINK2	OP	
148	LY30034-0V1A	SPACER(A)		
201	LY34787-001B	JACK COVER(DV)		
202	LY34794-001B	COVER(JIG CON)		
203	LY34765-001B	COVER(ADJ)		
204	LY32001-004A	LABEL(HOUSING)		
205	LY40699-002A	LABEL(PUSH)		
206	QAM0467-002	MEMORY CARD	MMC 8MB*	C
207	LY34859-001E	COVER(TOP)ASSY		
207A	LY45054-001A	SHEET(VF)		
208	LY30031-0E1A	SPECIAL SCREW	COVTOP-VF	
209	LY30031-0E2A	SPECIAL SCREW	COVJIG-VF	
210	LY30031-0J5A	SPECIAL SCREW	COVJIG-BKT	
300	LYH20869-004A	LOWER ASSY		A
300	LYH20869-001A	LOWER ASSY		B,C
301	LY21364-004G	LOWER UNIT ASSY		A
301	LY21364-001H	LOWER UNIT ASSY		B,C
301A	LY21362-001C	POWER UNIT		
301B	LY10563-001C	ARM		
301C	LY21365-001A	BKT(ARM.TOP)		
301D	LY21366-001C	BKT(ARM.BOTTOM)		
301E	LY21367-001C	PLATE2(ARM LOCK)		
301F	LY30001-032A	TENSION SPRING		
301G	LY34852-001A	BKT LOWER		
301H	LY10564-001D	LOWER CASE		
301J	LY10565-001D	C.COVER(TOP)		A
301J	LY10565-004C	C.COVER(TOP)		B,C
301K	LY10566-001C	C.COVER(SIDE)		
301L	LY21369-001B	COVER(REAR)		
301M	QAS0284-001	SPEAKER		
301N	LY21370-001A	BKT(SPEAKER)		
301P	LY34767-001A	SHAFT(G.BELT)		
301Q	LY21393-001A	G. BELT ASSY		
301R	LY30034-0U1A	SPACER(A)	TO OPEZOOM	
301S	LY30031-022A	SPECIAL SCREW	BKT-C.REAR(x3)	
301T	LY30031-011A	SPECIAL SCREW	ARM-L.CASE(x2)	
301U	LY30031-0F7A	SPECIAL SCREW	POWER-CTOP	
301V	LY30031-0G8A	SPECIAL SCREW	ARM-C.COV(x2)	
301W	LY30031-0G8A	SPECIAL SCREW	ARM-C.TOP	
301X	LY30031-0F7A	SPECIAL SCREW	BKT CL-ARM	
301Y	LY30031-0E2A	SPECIAL SCREW	C.RE-A.BOT	
301Z	LY30031-0F7A	SPECIAL SCREW	C.REA-BKTL	
301AA	LY30031-0G8A	SPECIAL SCREW	BKT-POWER	
301AB	LY34960-001A	BKT CLICK ARM		
301AC	LY30034-0U8A	SPECIAL SCREW	DENPA	
301AD	LY34949-001A	WASHER		
301AE	LY45070-001A	SPACER(A)		
301AF	LY30034-0W1A	SPACER(A)	TO L.CASE	
323	LY30031-0H6A	SPECIAL SCREW	F.PWB-LOW	
324	LY30031-0E2A	SPECIAL SCREW	BKTB-COVF	
325	LY30031-0E2A	SPECIAL SCREW	COVERF-BK(x2)	
326	LY30031-023A	SPECIAL SCREW	COVERF-LO	
327	LY21368-001D	COVER(FRONT)ASSY		
327A	LY34777-001A	WINDOW(LED)		
328	LY34778-001B	JACK COVER(MIC)		
⚠ 500	LYH20867-006A	UPPER ASSY		A
⚠ 500	LYH20867-005A	UPPER ASSY		B,C
502	QLL0170-001	LAMP		
503	LY34806-001A	HOLDER(LAMP)	(x2)	
504	LY44832-001A	LIGHT SCREEN		
505	LY44833-001A	SHEET(REFLECT)		
506	LY21375-001B	MONITOR CASE		
507	LY34804-001B	BRACKET(LCD)ASSY		
507A	LY44962-001A	SHEET(LCD BKT)	(x2)	
508	QLD0359-001	LCD MODULE		
509	LY44963-001A	SHEET(BEF)		
510	LY44964-001B	SHEET(DIFFUSION)		
⚠ 513	LY34855-002E	M.COVER ASSY		A
⚠ 513	LY34855-004D	M.COVER ASSY		B,C
513A	LY45013-002A	STICKER		A
513A	LY45013-004A	STICKER		B,C
514	LY34788-005B	UPPER CASE ASSY		A
514	LY34788-004B	UPPER CASE ASSY		B,C
514A	LY45017-001A	SHEET(CAUTION)		
514B	LY44980-001B	SHEET(PROTECT)		
515	LY34793-001B	FRAME(UPPER)ASSY		
515A	LY33658-001C	BASE		
515B	LY30031-0A2A	SPECIAL SCREW	(x2)	
517	LY34792-001C	KNOB(VIDEO/DSC)		B,C
518	LY34791-001C	BUTTON(SET)		
519	LY30031-0H6A	SPECIAL SCREW	MONPW-BKT	
520	LY30031-013A	SPECIAL SCREW	MCOV-HINGE(x2)	
521	LY30031-0E2A	SPECIAL SCREW	MCOV-L.BKT(x2)	
523	LY30031-0E2A	SPECIAL SCREW	UPER-FRMUP(x3)	
524	LY30031-0H3A	SPECIAL SCREW	UPER-FRMUP	
525	LY30031-0G6A	SPECIAL SCREW	HINGE-FRMU(x2)	
526	LY30031-022A	SPECIAL SCREW	MOPE-UPPER(x4)	
527	LY30031-022A	SPECIAL SCREW	MOPE-UPPER	
528	LY30031-0E2A	SPECIAL SCREW	MOPE-FRMUP	
529	LY30031-023A	SPECIAL SCREW	UPPER-VF(x2)	
530	LY30031-0E2A	SPECIAL SCREW	VF-FRMUP	

MODEL	MARK
GR-DF430US	A
GR-DF450US	B
GR-DF470US	C

⚠ Symbol No.	Part No.	Part Name	Description	Local
532	LY44965-001B	SHIELD(LAMP)		
533	LY34808-001A	HINGE UNIT		
534	LY34809-002D	HINGE COVER(U)		A
534	LY34809-001E	HINGE COVER(U)		B,C
535	LY34810-001B	HINGE COVER(L)		
536	LY42355-001A	P.C.MAGNET		
537	QAL0686-001	FPC		
538	LY30031-0H3A	SPECIAL SCREW	HCOV-HINGE(x2)	
599	LY34807-002A	HINGE UNIT ASSY	FOR JVM SA	A
599	LY34807-001A	HINGE UNIT ASSY	FOR JVM SA	B,C
601	J4H-101A	OP BLOCK ASSY		
601A	LY44455-001A	J3H FOCUS MOTOR		
601B	LY44456-001A	J3H ZOOM MOTOR		
601C	LY44838-001A	J4H IRIS		
601D	QYSPSGU1430ZA	TAP SCREW	M1.4 x 3mm(x6)	
601E	LY44596-001A	SPECIAL SCREW	(x2)	
601F	LY44613-001A	SPECIAL SCREW		
602	LY44458-001A	OP LPF	NIHONDENP	
603	LY33816-001A	LPF HOLDER		
604	LY44461-001A	MASK		
605	LY44462-001B	SHEET		
607	LY44482-001B	SPESIAL SCREW	(x2)	
608	LYH30627-002A	CCD BASE ASSY		
609	LY34931-001A	BKT(HEAT SINK)		
610	LY34948-001A	SHIELD(CCD)	(x2)	

***NOTE:**
DATA FILE is not contained in MEMORY CARD of the service part.

MECHANISM ASSEMBLY <M2>

⚠ Symbol No.	Part No.	Part Name	Description	Local
900	YMA0029BU	MECHA(A)ASSY	Y/E Y08265	
900A	YMA0029AB	MECHA(A)ASSY	JVM/BJVC	
901	LY32870-001Q	CASSETTEHOUSING ASSY		
902	LY43675-008A	MINI SCREW	(x3)	
903	LYH30420-001A	UPPER BASE ASSY		
904	QYSPSPU1425MA	SCREW	M1.4 x 2.5mm	
905	YDV2102L	DRUM ASSY	M/B SET022	
906	LY44533-001A	DAMP.SCREW ASSY	JVM/BJVC(x2)	
907	LY44533-002A	DAMP.SCREW ASSY		
908	LY31538-001G	REEL DISK ASSY		
909	LY31538-002J	REEL DISK ASSY		
910	YQ44246	SLIT WASHER	(x2)	
911	LY10372-001K	REEL COVER ASSY		
912	LY42120-002B	MINI SCREW		
913	LY41945-003B	MINI SCREW	(x2)	
914	YQ44246	SLIT WASHER		
915	LY43725-001G	TENSION ARM ASSY		
916	LYH40269-001A	SLANT POLE ARM ASSY		
917	LY43731-001G	TAKE UP ARM ASSY		
918	LY31531-001E	SWING ARM ASSY		
919	YQ43893-9	MINI SCREW		
920	LYH30424-001A	SLIDE DECK FINAL ASSY		
921	YQ43893	MINI SCREW	(x2)	
922	LY43023-001A	MINI SCREW		
924	LYH30419-001A	PAD ARM ASSY		
925	YQ44246	SLIT WASHER		
928	LYH40270-001A	TAKE UP BRAKE ASSY		
929	YQ44246	SLIT WASHER		
930	LY43684-001C	TENSION CONTROL LEVER ASSY		
931	LY32861-001B	CENTER GEAR		
932	LY31516-001J	PINCH ROLLER ARM FINAL ASSY		
933	YQ44246	SLIT WASHER		
934	LY43681-001B	TENSION CONTROL PLATE ASSY		
935	LY43687-001A	BRAKE CONTROL LEVER ASSY		
936	LYH30421-001A	MOTOR BRACKET ASSY		
937	YQ43893	MINI SCREW	(x3)	
938	LYH30422-001A	GUIDE RAIL ASSY		
939	YQ43893	MINI SCREW		
940	YQ44246	SLIT WASHER	(x2)	
941	LY32843-001J	SLIDE LEVER2 ASSY		
942	LY43690-001C	LOADING PLATE ASSY		
943	YQ44246	SLIT WASHER		
944	LY32858-001B	EJECT LEVER		
945	YQ44246	SLIT WASHER		
946	LYH40271-001A	BASE R ASSY		
947	YQ43893	MINI SCREW		
948	LY41945-001C	MINI SCREW		
949	LY43665-001A	MODE GEAR		
950	QSW0876-005	ROTARY ENCODER		
951	YQ43893	MINI SCREW	(x2)	
952	LY32860-001E	GEAR COVER ASSY		
953	YQ43893	MINI SCREW	(x2)	
954	LY43675-007A	MINI SCREW		
955	LY43676-001B	MAIN CAM ASSY		
956	LY41941-001B	SLIDE ARM ASSY		
957	LY43678-001A	CONNECT GEAR 2		
958	LY43679-001C	SUB CAM ASSY		
959	LY42120-001B	MINI SCREW		
960	LY43692-001B	CONTROL ARM ASSY		
961	LY32859-001B	REEL GEAR 1		
962	LY31508-003G	DRUM BASE ASSY		
963	LY43675-006C	MINI SCREW	(x3)	
964	QAR0156-002	CAPSTAN MOTOR		
965	YQ43893	MINI SCREW		
966	LY10367-001N	MAIN DECK ASSY		
976	YQ44246	SLIT WASHER		
978	LY44609-001A	WASHER		
979	LY44502-001A	SPACER	JVM/BJVC	
998	QYWFM163013	WASHER	3mm/1.6mm x 0.13mm	

VF(COLOR) ASSEMBLY <M3>

⚠ Symbol No.	Part No.	Part Name	Description	Local
700	LYH20868-001A	VF ASSY		
703	LY44845-001A	SHEET(POLA.2)		
704	LY34591-001A	STOPER(POLA)		
705	LY34584-001A	GUIDE(LCD)		
706	QLD0356-001	LCD MODULE		
707	LY44848-001B	CUSHION(LCD)		
708	LY44844-001A	SHEET(POLA.1)		
709	LY44846-001A	SHEET(DIFF)		
710	LY34590-001B	CASE(B.LIGHT)		
711	LY21395-001B	HOLDER(LCD)		
712	NSW0245-001X	LEVER SWITCH		
713	QAL0688-002	FPC	VF FPC	
714	LY21378-001E	CASE(LOWER)		
715	LY44841-002A	LENS ASSY		
716	LY44970-001B	COVER(LENS)		
717	LY21379-001D	CASE(UPPER)		
718	LY34820-001B	KNOB(ADJ)		
719	LY34822-001B	EYE CAP		
720	LY34824-001A	HOLDER(EYE CAP)		
721	LY21380-001C	HOLDER(SW)		
722	LY34821-001A	PLATE(CLICK)		
723	LY34823-001B	GUIDE(VF)		
724	LY30031-022A	SPECIAL SCREW	HLDEC-CASL	
725	LY30031-031A	SPECIAL SCREW	PWB-HLDSW	
726	LY30031-031A	SPECIAL SCREW	PLTC-CASEU	
727	LY30032-025A	SPECIAL SCREW	CASEL-GVF(x2)	
728	LY30031-031A	SPECIAL SCREW	G.VF-HLDSW(x2)	
799	LY34815-001B	HOLDER(LCD)ASSY		

PACKING AND ACCESSORY ASSEMBLY <M5>

⚠ Symbol No.	Part No.	Part Name	Description	Local
001	LY34452-001A	POLY BAG	DOCUMENT	
002	LY32210-0A2A	CD ROM ASSY		B
002	LY32210-0B3A	CD ROM ASSY		C
⚠ 003	LYT1426-001A	INST BOOK(EN)	(ENGLISH)	
⚠ 003	LYT1426-002A	INST BOOK(FR)	(FRENCH)	
⚠ 003	LYT1426-003A	INST BOOK(SP)	(SPANISH)	
004	LYT1356-001A	INST BOOK(SOFT.EN)	(SOFT.ENGLISH)	B
004	LYT1356-003A	INST BOOK(SOFT.FR)	(SOFT.FRENCH)	B
004	LYT1356-005A	INST BOOK(SOFT.SP)	(SOFT.SPANISH)	B
004	LYT1387-001A	INST BOOK(SOFT.EN)	(SOFT.ENGLISH)	C

MODEL	MARK
GR-DF430US	A
GR-DF450US	B
GR-DF470US	C

⚠ Symbol No.	Part No.	Part Name	Description	Local
004	LYT1387-003A	INST BOOK(SOFT.FR)	(SOFT.FRENCH)	C
004	LYT1387-005A	INST BOOK(SOFT.SP)	(SOFT.SPANISH)	C
011	----------	WARRANTY CARD	BT-52006-2	
012	LYT1412-002A	SHEET(HEAD.US)		
017	BT-51034-2	REGISTRATION CARD		
018	----------	WARRANTY CARD	BT-51005-9	
051	LY30023-034A	POLY BAG		
052	LY34832-010A	PACKING CASE		A
052	LY34832-009A	PACKING CASE		B
052	LY34832-008A	PACKING CASE		C
053	LY21382-001B	CUSHION		
054	QPA02503505P	POLY BAG	ACC. 25cm x 35cm	
055	QQR0918-002	CORE FILTER	AV	
058	QAM0495-001	AUDIO CABLE	MIC	
059	QQR0917-002	CORE FILTER	MIC 2T	
060	QAM0538-001	USB CABLE	USB	B,C
061	QQR0491-002	FERRITE CORE	USB 1T TDK (BLACK)	B,C
⚠ 062	LY21103-001D	AC ADAPTER	AP-V14U	
⚠ 062 or	LY21313-001A	AC ADAPTER	AP-V16U	
063	QQR0917-002	CORE FILTER	DC	
066	LY21186-002A	REMOTE CTL UNIT	RM-V720U	
⚠ 067	LY34647-002B	BATTERY PACK	BN-VF707U	
068	QAM0507-001	A/V CABLE	AV	
070	LY21397-002A	SHOULDER STRAP		
071	LY34811-001B	HOOD CAP ASSY		

MAIN BOARD ASSEMBLY <01>

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LYA10029-08D	MAIN BOARD ASSY		A
PW1	LYA10029-09F	MAIN BOARD ASSY		B
PW1	LYA10029-07F	MAIN BOARD ASSY		C
IC1001	MN103S97NJR	IC(MICRO C ROM)	MASK	
IC1001 or	MN103SF66RJR	IC(MICRO C ROM)	FLASH	
IC1001 or	MN103SF66RJRA	IC(MICRO C ROM)	FLASH PP	
IC1002	BU3095-0FFV-X	IC	OSD KR	
IC1003	SN74AHC1G00DC-X	IC		
IC1004	NJU7108F3-X	IC		
IC1004 or	TC75S56FU-X	IC		
IC1005	M95320-WDW6-X	IC		
IC1005 or	BR25C320FV-W-X	IC		
IC1006	RS5C314-X	IC		
IC1007	S-80823CNNB-G-W	IC		
IC1009	SN74AHC1G08DC-X	IC		
IC1701	BA10358FVM-W	IC	REELAMP5V	
IC1702	NJM2407R-W	IC	REELSMT	
IC2201	AK4660VQ	IC	48P0.5	
IC2801	SN74LV4053ARG-X	IC		B,C
IC3001	JCY0205	IC	BGA SOCKET	
IC3201	JCP8075	IC		
IC3501	JCY0132	IC		
IC3701	BH7612FV-X	IC		
IC3731	MM1504XN-X	IC		
IC4201	HD49340NP-X	IC		
IC4202	MM1613AN-X	IC		
IC4901	JCY0215-X	IC		A
IC4901 or	LY34854-001A	CSP IC ASSY		A
IC4901	JCY0214-X	IC		B,C
IC4901 or	LY34853-001A	CSP IC ASSY		B,C
IC4951	AN41902A	IC		
IC5501	JCY0185	IC		
IC6001	FA7725F	IC		
IC8001	TMS320DSC24GHKL	IC	DSC24	B,C
IC8002	K4S643232H-UC60	IC	64MSDRAM	B,C
IC8003	MBPL32BM90PBC21	IC(MICRO C ROM)	32MFLASH	B
IC8003	MBPL32BM90PBC16	IC(MICRO C ROM)	32MFLASH	C
IC8005	BH18FB1WG-W	IC	REG 1.8V	B,C
IC8601	PIX-MC20	IC		C
Q1001	DTA114EE-X	DIGI TRANSISTOR		
Q1001 or	PDTA114EE-X	DIGI TRANSISTOR		
Q1001 or	BCR183T-X	DIGI TRANSISTOR		
Q1001 or	UN9111J-X	DIGI TRANSISTOR		
Q1002	XP03311-W	DIGI TRANSISTOR		
Q1002 or	UMC3N-W	DIGI TRANSISTOR		
Q1003	XP03311-W	DIGI TRANSISTOR		
Q1003 or	UMC3N-W	DIGI TRANSISTOR		
Q1005	XP03311-W	DIGI TRANSISTOR		
Q1005 or	UMC3N-W	DIGI TRANSISTOR		
Q1006	2SC4617/QR/-X	TRANSISTOR		
Q1006 or	BC847BT-X	TRANSISTOR		
Q1006 or	2SD2216J/QR/-X	TRANSISTOR		
Q1006 or	2SC4738/YG/-X	TRANSISTOR		
Q1007	DTC124EE-X	DIGI TRANSISTOR		
Q1007 or	PDTC124EE-X	DIGI TRANSISTOR		
Q1007 or	BCR141T-X	DIGI TRANSISTOR		
Q1007 or	UN9212J-X	DIGI TRANSISTOR		
Q1008	DTC144EE-X	DIGI TRANSISTOR		
Q1008 or	PDTC144EE-X	DIGI TRANSISTOR		
Q1008 or	BCR148T-X	DIGI TRANSISTOR		
Q1008 or	UN9213J-X	DIGI TRANSISTOR		
Q1009	DTC143XE-X	DIGI TRANSISTOR		
Q1009 or	UN921FJ-X	DIGI TRANSISTOR		
Q1011	DTC144EE-X	DIGI TRANSISTOR		
Q1011 or	PDTC144EE-X	DIGI TRANSISTOR		
Q1011 or	BCR148T-X	DIGI TRANSISTOR		
Q1011 or	UN9213J-X	DIGI TRANSISTOR		
Q2201	DTC144EE-X	DIGI TRANSISTOR		
Q2201 or	PDTC144EE-X	DIGI TRANSISTOR		
Q2201 or	BCR148T-X	DIGI TRANSISTOR		
Q2201 or	UN9213J-X	DIGI TRANSISTOR		
Q2202	UMX1N-W	PAIR TRANSISTOR		
Q2202 or	PUMX1-W	PAIR TRANSISTOR		
Q2202 or	BC847S-X	PAIR TRANSISTOR		
Q2202 or	XP4501-W	TRANSISTOR		
Q2401	2SC4617/RS/-X	TRANSISTOR		
Q2401 or	BC847BT-X	TRANSISTOR		
Q2401 or	2SD2216J/RS/-X	TRANSISTOR		
Q2403	2SC4617/RS/-X	TRANSISTOR		
Q2403 or	BC847BT-X	TRANSISTOR		
Q2403 or	2SD2216J/RS/-X	TRANSISTOR		
Q3001	2SC4617/RS/-X	TRANSISTOR	AREG_3V	
Q3001 or	BC847BT-X	TRANSISTOR	AREG_3V	
Q3001 or	2SD2216J/RS/-X	TRANSISTOR	AREG_3V	
Q3501	2SA2029/QRS/-X	TRANSISTOR		
Q3701	UMT1N-W	PAIR TRANSISTOR		
Q3701 or	XP4401-W	TRANSISTOR		
Q3701 or	BC856S-X	PAIR TRANSISTOR		
Q3701 or	PUMT1-W	PAIR TRANSISTOR		
Q3702	BC847PN-X	PAIR TRANSISTOR		
Q3705	UMT1N-W	PAIR TRANSISTOR		
Q3705 or	XP4401-W	TRANSISTOR		
Q3705 or	BC856S-X	PAIR TRANSISTOR		
Q3705 or	PUMT1-W	PAIR TRANSISTOR		
Q3706	DTC114EE-X	DIGI TRANSISTOR		
Q3706 or	BCR133T-X	DIGI TRANSISTOR		
Q3706 or	UN9211J-X	DIGI TRANSISTOR		
Q3706 or	PDTC114EE-X	DIGI TRANSISTOR		
Q3707	DTC114EE-X	DIGI TRANSISTOR		
Q3707 or	BCR133T-X	DIGI TRANSISTOR		
Q3707 or	UN9211J-X	DIGI TRANSISTOR		
Q3707 or	PDTC114EE-X	DIGI TRANSISTOR		
Q3731	2SC4617/RS/-X	TRANSISTOR		
Q3731 or	2SD2216J/RS/-X	TRANSISTOR		
Q3731 or	BC847BT-X	TRANSISTOR		
Q3733	BC847PN-X	PAIR TRANSISTOR		
Q3734	2SC4617/RS/-X	TRANSISTOR		
Q3734 or	2SD2216J/RS/-X	TRANSISTOR		
Q3734 or	BC847BT-X	TRANSISTOR		
Q3735	BC847PN-X	PAIR TRANSISTOR		
Q4951	DTC114EE-X	DIGI TRANSISTOR		
Q4951 or	BCR133T-X	DIGI TRANSISTOR		
Q4951 or	UN9211J-X	DIGI TRANSISTOR		
Q4951 or	PDTC114EE-X	DIGI TRANSISTOR		
Q6101	QS6U24-W	MOS FET		
Q6102	RSR025N03-X	MOS FET		
Q6103	SSM3J14T-X	MOS FET		
Q6201	QS6U24-W	MOS FET		
Q6202	RSR025N03-X	MOS FET		
Q6301	QS6U24-W	MOS FET		
Q6401	QS6U24-W	MOS FET		
Q6501	SSM3J14T-X	MOS FET		

MODEL	MARK
GR-DF430US	A
GR-DF450US	B
GR-DF470US	C

⚠ Symbol No.	Part No.	Part Name	Description	Local
Q6502	BC856S-X	PAIR TRANSISTOR		
Q6502	or PUMT1-W	PAIR TRANSISTOR		
Q6502	or UMT1N-W	PAIR TRANSISTOR		
Q6502	or XP4401-W	TRANSISTOR		
Q6503	2SC4617/RS/-X	TRANSISTOR		
Q6503	or BC847BT-X	TRANSISTOR		
Q6503	or 2SD2216J/RS/-X	TRANSISTOR		
Q6701	SSM3J14T-X	MOS FET		
Q6702	RTF020P02-X	MOS FET		
Q6703	RTF020P02-X	MOS FET		
Q6704	2SA1577/RS/-X	TRANSISTOR		
Q6704	or BC807-25W-X	TRANSISTOR		
Q6705	DTC124TE-X	DIGI TRANSISTOR		
Q8002	DTA114EE-X	DIGI TRANSISTOR		B
Q8601	EMD2-W	PAIR TRANSISTOR	VBUS SW	B,C
D1001	DA221-X	DIODE ARRAY		
D1001	or MA133-X	SI DIODE		
D1002	1SS376-X	SI DIODE		
D3001	RB551V-30-X	SB DIODE	PHY VDD	
D3002	EC2C01C-TR-X	VARI CAP DIODE	FS VCO	
D3003	EC2C01C-TR-X	VARI CAP DIODE	FS VCO	
D3004	EC2C01C-TR-X	VARI CAP DIODE	MAIN VCO	
D3005	DAN222-X	SI DIODE		
D3005	or MA132WK-X	SI DIODE		
D5501	1SS355-X	SI DIODE		
D5501	or MA111-X	SI DIODE		
⚠ D6001	RB715W-X	SB DIODE		
D6501	RB480Y-W	SB DIODE		
D6502	RB480Y-W	SB DIODE		
D6701	RB160M-30-X	SB DIODE		
D6702	RB160M-30-X	SB DIODE		
D6801	RB551V-30-X	SB DIODE		
C1001	NDCA1HJ-7R0W	C CAPACITOR	7pF 50V J	
C1002	NDCA1HJ-7R0W	C CAPACITOR	7pF 50V J	
C1003	NDCA1HJ-8R0W	C CAPACITOR	8pF 50V J	
C1004	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C1005	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C1006	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C1007	NCJA0JK-105W-A	C CAPACITOR	1uF 6.3V K	
C1008	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C1012	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1013	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1014	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1018	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C1023	NCBA1EK-682W	C CAPACITOR	6800pF 25V K	
C1024	NCBA1EK-682W	C CAPACITOR	6800pF 25V K	
C1025	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1029	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C1031	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C1032	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C1033	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C1034	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C1035	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C1036	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C1038	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C1039	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C1040	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C1041	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C1042	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C1044	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1045	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1046	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1051	NCB31CK-223X	C CAPACITOR	0.022uF 16V K	
C1052	NCB31CK-223X	C CAPACITOR	0.022uF 16V K	
C1053	NCB31CK-223X	C CAPACITOR	0.022uF 16V K	
C1054	NCB31CK-223X	C CAPACITOR	0.022uF 16V K	
C1055	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C1701	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	B,C
C1702	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	B,C
C1703	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C2201	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2202	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2203	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2204	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2205	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2209	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C2210	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2213	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2214	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2217	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2218	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2223	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2224	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2225	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	A
C2226	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	A
C2227	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	A
C2228	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	A
C2401	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C2402	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C2403	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C2404	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C2405	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2406	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C2603	NCBA1CK-223W	C CAPACITOR	0.022uF 16V K	
C2604	NCBA1CK-223W	C CAPACITOR	0.022uF 16V K	
C2605	NCBA1EK-472W	C CAPACITOR	4700pF 25V K	
C2606	NCBA1EK-472W	C CAPACITOR	4700pF 25V K	
C2609	NCBA1HK-332W	C CAPACITOR	3300pF 50V K	
C2610	NCBA1HK-332W	C CAPACITOR	3300pF 50V K	
C2611	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2612	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2613	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2623	NDCA1HJ-100W	C CAPACITOR	10pF 50V J	
C2624	NDCA1HJ-100W	C CAPACITOR	10pF 50V J	
C2655	NCBA1CK-473W	C CAPACITOR	0.047uF 16V K	
C2656	NCBA1CK-473W	C CAPACITOR	0.047uF 16V K	
C2801	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	B,C
C3001	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C3002	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3003	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C3004	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3005	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C3006	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3007	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C3008	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3009	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C3010	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3011	NBZ0015-106X	TA E CAPACITOR	10uF 6.3V M	
C3013	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C3014	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3016	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3017	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3018	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3019	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3020	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3021	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3022	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3023	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3024	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3025	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3026	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3029	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C3031	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C3032	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3033	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3034	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3035	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3036	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3037	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	
C3039	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3040	NDCA1EJ-221W	C CAPACITOR	220pF 25V J	
C3046	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	
C3048	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3049	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3050	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3051	NDCA1HJ-330W	C CAPACITOR	33pF 50V J	
C3052	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3053	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C3054	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3055	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3056	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3057	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3058	NCBA1EK-472W	C CAPACITOR	4700pF 25V K	
C3059	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	

MODEL	MARK
GR-DF430US	A
GR-DF450US	B
GR-DF470US	C

⚠ Symbol No.	Part No.	Part Name	Description	Local
C3060	NDCA1EJ-271W	C CAPACITOR	270pF 25V J	
C3061	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3062	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3063	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3064	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3065	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3066	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3067	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3068	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3069	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3070	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3071	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3072	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3073	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3201	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C3202	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C3203	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C3204	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C3205	NBE20GM-476X	TA E CAPACITOR	47uF 4V M	
C3206	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3207	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3209	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3211	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3214	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3216	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3217	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C3219	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3220	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3221	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C3222	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3223	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3224	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3225	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3229	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3233	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3234	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3501	NBZ0015-106X	TA E CAPACITOR	10uF 6.3V M	
C3502	NBZ0015-106X	TA E CAPACITOR	10uF 6.3V M	
C3503	NBZ0015-106X	TA E CAPACITOR	10uF 6.3V M	
C3504	NCBA1AK-473W	C CAPACITOR	0.047uF 10V K	
C3505	NCBA1CK-223W	C CAPACITOR	0.022uF 16V K	
C3506	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3507	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3508	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3509	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3510	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3511	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3512	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3513	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3514	NCBA1AK-473W	C CAPACITOR	0.047uF 10V K	
C3515	NCBA1AK-473W	C CAPACITOR	0.047uF 10V K	
C3516	NCBA1AK-473W	C CAPACITOR	0.047uF 10V K	
C3518	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3519	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C3520	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3521	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3522	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C3523	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3524	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3525	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C3526	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3531	NDCA1HJ-120W	C CAPACITOR	12pF 50V J	
C3532	NDCA1HJ-120W	C CAPACITOR	12pF 50V J	
C3533	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3534	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3701	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C3706	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3708	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3709	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3710	NBE20GM-226X	TA E CAPACITOR	22uF 4V M	
C3711	NBE20GM-226X	TA E CAPACITOR	22uF 4V M	
C3712	NBE20GM-107X	TA E CAPACITOR	100uF 4V M	
C3713	NBE20GM-107X	TA E CAPACITOR	100uF 4V M	
C3714	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3715	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3731	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3732	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C3733	NDCA1HJ-3R0W	C CAPACITOR	3pF 50V J	
C3734	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
C3736	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C3738	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3739	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3740	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3741	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3742	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3743	NDCA1HJ-3R0W	C CAPACITOR	3pF 50V J	
C3744	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
C3746	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C3747	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4201	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4202	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4203	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4204	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4205	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4206	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4207	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4208	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C4209	NCBA1CK-223W	C CAPACITOR	0.022uF 16V K	
C4210	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4211	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4212	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4213	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4214	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4215	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4216	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C4217	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4902	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C4904	NBE21AM-106X	TA E CAPACITOR	10uF 10V M	
C4905	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C4906	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C4907	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C4908	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C4909	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4912	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C4913	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C4914	NDCA1HJ-680W	C CAPACITOR	68pF 50V J	
C4915	NDCA1HJ-121W	C CAPACITOR	120pF 50V J	
C4916	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C4917	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C4918	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C4921	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4922	NCFA1AZ-104W	C CAPACITOR	0.1uF 10V Z	
C4952	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C4954	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C4956	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C4957	NDCA1HJ-220W	C CAPACITOR	22pF 50V J	
C4958	NDCA1HJ-220W	C CAPACITOR	22pF 50V J	
C5501	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C5502	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C5503	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C5504	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C5505	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C5506	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C5507	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C5508	NBP21VM-105X	TA E CAPACITOR	1uF 35V M	
C5509	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C5510	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5511	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C5512	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C5513	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5514	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C5515	NBE20GM-476X	TA E CAPACITOR	47uF 4V M	
C5516	NBP41EM-475X-B	TA E CAPACITOR	4.7uF 25V M	
C5517	NBP21CM-106X	TA E CAPACITOR	10uF 16V M	
C5518	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C5519	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C5520	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C6005	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6006	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C6007	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C6008	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6009	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
C6010	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C6011	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6101	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6102	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	

MODEL	MARK
GR-DF430US	A
GR-DF450US	B
GR-DF470US	C

⚠ Symbol No.	Part No.	Part Name	Description	Local
C6103	NCBA1HK-221W	C CAPACITOR	220pF 50V K	
C6104	NCBA1HK-681W	C CAPACITOR	680pF 50V K	
C6105	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C6106	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C6107	NCBA1CK-223W	C CAPACITOR	0.022uF 16V K	
C6201	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6202	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C6203	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C6204	NCBA1HK-221W	C CAPACITOR	220pF 50V K	
C6301	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6302	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6303	NCBA1AK-683W	C CAPACITOR	0.068uF 10V K	
C6305	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C6401	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6402	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6403	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C6405	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C6501	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6502	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6503	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6505	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6506	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6508	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6509	NCBA1AK-333W	C CAPACITOR	0.033uF 10V K	
C6510	NCBA1AK-473W	C CAPACITOR	0.047uF 10V K	
C6511	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C6512	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6701	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6702	NCB41CK-106X	C CAPACITOR	10uF 16V K	
C6704	NCBA1EK-472W	C CAPACITOR	4700pF 25V K	
C6705	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C6706	NCBA1HK-221W	C CAPACITOR	220pF 50V K	
C6707	NCBA1HK-821W	C CAPACITOR	820pF 50V K	
C6802	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C6803	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C6804	NCBA1HK-392W	C CAPACITOR	3900pF 50V K	
C8001	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	B,C
C8002	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	B,C
C8003	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	B,C
C8004	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	B,C
C8005	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	B,C
C8006	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	B,C
C8007	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	B,C
C8008	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	B,C
C8009	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	B,C
C8010	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	B,C
C8011	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	B,C
C8012	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	B,C
C8013	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	B,C
C8018	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	B,C
C8021	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	B,C
C8022	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	B,C
C8023	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	B,C
C8024	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	B,C
C8025	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	B,C
C8026	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	B,C
C8027	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	B,C
C8028	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	B,C
C8029	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	B,C
C8030	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	B
C8032	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	B
C8032	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	C
C8601	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	C
C8602	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	C
C8603	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	C
C8606	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	C
C8607	NCJA0JK-105W-A	C CAPACITOR	1uF 6.3V K	C
C8608	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	C
C8609	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	C
C8610	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	C
C8611	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	C
C8612	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	C
C8613	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	C
C8614	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	C
C8615	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	C
C8616	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	C
C8617	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	B,C
C8618	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	C
C8619	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	C
C8620	NCJA0JK-105W-A	C CAPACITOR	1uF 6.3V K	C
C8621	NDCA1HJ-7R0W	C CAPACITOR	7pF 50V J	C
C8622	NDCA1HJ-7R0W	C CAPACITOR	7pF 50V J	C
C8623	NCJA0JK-105W-A	C CAPACITOR	1uF 6.3V K	C
C8624	NCJA0JK-105W-A	C CAPACITOR	1uF 6.3V K	B,C
C8626	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	B,C
C8627	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	C
R1001	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R1002	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J	
R1003	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1004	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R1007	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1008	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R1010	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1012	NRSA6AJ-823W	MG RESISTOR	82kΩ 1/16W J	
R1013	NRSA6AJ-623W	MG RESISTOR	62kΩ 1/16W J	
R1014	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1015	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1016	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1017	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R1018	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1019	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1020	NRSA6AJ-753W	MG RESISTOR	75kΩ 1/16W J	
R1021	NRSA6AJ-334W	MG RESISTOR	330kΩ 1/16W J	
R1022	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R1023	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R1024	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R1025	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R1026	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R1027	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R1029	NRSA6AJ-152W	MG RESISTOR	1.5kΩ 1/16W J	
R1030	NRSA6AJ-273W	MG RESISTOR	27kΩ 1/16W J	
R1031	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1032	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1033	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1034	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1035	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1036	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1041	NRSA6AJ-561W	MG RESISTOR	560Ω 1/16W J	
R1043	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R1045	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1046	NRSA6AJ-153W	MG RESISTOR	15kΩ 1/16W J	
R1047	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1048	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1049	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1050	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1051	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R1052	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1053	NRSA6AJ-154W	MG RESISTOR	150kΩ 1/16W J	
R1054	NRSA6AJ-272W	MG RESISTOR	2.7kΩ 1/16W J	
R1055	NRSA6AJ-183W	MG RESISTOR	18kΩ 1/16W J	
R1056	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R1057	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R1058	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1059	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J	
R1060	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R1061	NRSA6AJ-393W	MG RESISTOR	39kΩ 1/16W J	
R1063	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J	
R1064	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1065	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R1066	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1067	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1068	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1069	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1070	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1071	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1072	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R1073	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R1074	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R1075	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R1076	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1077	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1078	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1080	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1081	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R1082	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	

MODEL	MARK
GR-DF430US	A
GR-DF450US	B
GR-DF470US	C

⚠ Symbol No.	Part No.	Part Name	Description	Local
R1083	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1084	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1085	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1086	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1089	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1090	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1091	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1092	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1093	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1094	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1095	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1096	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1097	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1098	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1099	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1100	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1101	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1103	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1104	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1105	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1106	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1108	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1109	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1110	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1112	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1117	NRSA6AJ-330W	MG RESISTOR	33Ω 1/16W J	
R1118	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1119	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1120	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1121	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1122	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1123	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R1124	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R1125	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R1126	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R1127	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R1128	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R1132	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1146	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1147	NRSA6AJ-334W	MG RESISTOR	330kΩ 1/16W J	
R1148	NRSA6AJ-224W	MG RESISTOR	220kΩ 1/16W J	
R1701	NRSA6AJ-823W	MG RESISTOR	82kΩ 1/16W J	
R1702	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R1703	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R1704	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R1705	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R1706	NRSA6AJ-823W	MG RESISTOR	82kΩ 1/16W J	
R1707	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1708	NRSA6AJ-124W	MG RESISTOR	120kΩ 1/16W J	
R1709	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1710	NRSA6AJ-124W	MG RESISTOR	120kΩ 1/16W J	
R1711	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1712	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R2001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2004	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R2201	NRSA6AJ-224W	MG RESISTOR	220kΩ 1/16W J	
R2202	NRSA6AJ-564W	MG RESISTOR	560kΩ 1/16W J	
R2203	NRSA6AJ-393W	MG RESISTOR	39kΩ 1/16W J	
R2204	NRSA6AJ-154W	MG RESISTOR	150kΩ 1/16W J	
R2206	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J	
R2207	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J	
R2208	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J	
R2209	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J	
R2210	NRSA6AJ-821W	MG RESISTOR	820Ω 1/16W J	
R2211	NRSA6AJ-821W	MG RESISTOR	820Ω 1/16W J	
R2212	NRSA6AJ-2R7W	MG RESISTOR	2.7Ω 1/16W J	
R2213	NRSA6AJ-2R7W	MG RESISTOR	2.7Ω 1/16W J	
R2217	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R2231	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R2233	NRSA6AJ-564W	MG RESISTOR	560kΩ 1/16W J	
R2234	NRSA6AJ-564W	MG RESISTOR	560kΩ 1/16W J	
R2235	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R2401	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R2402	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R2403	NRSA6AJ-183W	MG RESISTOR	18kΩ 1/16W J	
R2407	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R2601	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R2602	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R2607	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R2608	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R2609	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J	
R2610	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J	
R2618	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R2619	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R2801	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	B,C
R2802	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	B,C
R2803	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	B,C
R2804	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	B,C
R2805	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	B,C
R3001	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R3002	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R3004	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R3005	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3006	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R3008	NRSA6AJ-224W	MG RESISTOR	220kΩ 1/16W J	
R3009	NRSA6AJ-224W	MG RESISTOR	220kΩ 1/16W J	
R3010	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R3011	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R3012	NRSA6AJ-821W	MG RESISTOR	820Ω 1/16W J	
R3013	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R3014	NRSA6AJ-821W	MG RESISTOR	820Ω 1/16W J	
R3020	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	C
R3021	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R3022	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R3025	NRSA6AJ-121W	MG RESISTOR	120Ω 1/16W J	
R3026	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R3028	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3029	NRSA6AJ-224W	MG RESISTOR	220kΩ 1/16W J	
R3030	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3031	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3032	NRSA6AJ-392W	MG RESISTOR	3.9kΩ 1/16W J	
R3033	NRSA6AJ-392W	MG RESISTOR	3.9kΩ 1/16W J	
R3034	NRSA6AD-560W	MG RESISTOR	56Ω 1/16W D	
R3035	NRSA6AD-560W	MG RESISTOR	56Ω 1/16W D	
R3036	NRSA6AD-560W	MG RESISTOR	56Ω 1/16W D	
R3037	NRSA6AD-560W	MG RESISTOR	56Ω 1/16W D	
R3038	NRSA6AD-512W	MG RESISTOR	5.1kΩ 1/16W D	
R3040	NRSA6AJ-242W	MG RESISTOR	2.4kΩ 1/16W J	
R3041	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	B,C
R3043	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3045	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3051	NRSA6AJ-151W	MG RESISTOR	150Ω 1/16W J	
R3054	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3055	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3056	NRSA6AJ-683W	MG RESISTOR	68kΩ 1/16W J	
R3057	NRSA6AJ-683W	MG RESISTOR	68kΩ 1/16W J	
R3060	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R3061	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3063	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3064	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3065	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	C
R3066	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3067	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	C
R3068	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3069	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J	B,C
R3070	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J	
R3071	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3072	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3073	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3074	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3075	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3076	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3081	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	B,C
R3082	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	B,C
R3083	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	B,C
R3084	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	B,C
R3085	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R3089	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R3090	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3092	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3093	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R3094	NRSA6AJ-563W	MG RESISTOR	56kΩ 1/16W J	
R3095	NRSA6AJ-563W	MG RESISTOR	56kΩ 1/16W J	
R3097	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	A,B
R3097	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	C
R3201	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	

MODEL	MARK
GR-DF430US	A
GR-DF450US	B
GR-DF470US	C

⚠ Symbol No.	Part No.	Part Name	Description	Local
R3202	NRSA6AD-183W	MG RESISTOR	18kΩ 1/16W D	
R3203	NRSA6AD-123W	MG RESISTOR	12kΩ 1/16W D	
R3204	NRSA6AD-821W	MG RESISTOR	820Ω 1/16W D	
R3205	NRSA6AD-821W	MG RESISTOR	820Ω 1/16W D	
R3207	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3212	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3213	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3214	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3501	NRSA6AJ-471W	MG RESISTOR	470Ω 1/16W J	
R3502	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R3503	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R3504	NRVA6AD-241W	CMF RESISTOR	240Ω 1/16W D	
R3505	NRVA6AD-241W	CMF RESISTOR	240Ω 1/16W D	
R3506	NRVA6AD-241W	CMF RESISTOR	240Ω 1/16W D	
R3507	NRVA6AD-241W	CMF RESISTOR	240Ω 1/16W D	
R3508	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J	
R3512	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3513	NRSA6AJ-471W	MG RESISTOR	470Ω 1/16W J	
R3514	NRSA6AJ-471W	MG RESISTOR	470Ω 1/16W J	
R3515	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R3516	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3517	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3518	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3519	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3701	NRSA6AD-271W	MG RESISTOR	270Ω 1/16W D	
R3703	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R3704	NRSA6AD-301W	MG RESISTOR	300Ω 1/16W D	
R3707	NRSA6AD-680W	MG RESISTOR	68Ω 1/16W D	
R3708	NRSA6AD-680W	MG RESISTOR	68Ω 1/16W D	
R3709	NRSA6AD-680W	MG RESISTOR	68Ω 1/16W D	
R3710	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3712	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R3713	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R3714	NRSA6AJ-823W	MG RESISTOR	82kΩ 1/16W J	
R3715	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3718	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3722	NRSA6AD-151W	MG RESISTOR	150Ω 1/16W D	
R3724	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R3725	NRSA6AD-151W	MG RESISTOR	150Ω 1/16W D	
R3726	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R3727	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R3728	NRSA6AD-151W	MG RESISTOR	150Ω 1/16W D	
R3730	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R3731	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R3732	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R3733	NRSA6AD-561W	MG RESISTOR	560Ω 1/16W D	
R3734	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R3735	NRSA6AD-182W	MG RESISTOR	1.8kΩ 1/16W D	
R3736	NRSA6AJ-183W	MG RESISTOR	18kΩ 1/16W J	
R3737	NRSA6AJ-183W	MG RESISTOR	18kΩ 1/16W J	
R3738	NRSA6AJ-681W	MG RESISTOR	680Ω 1/16W J	
R3739	NRSA6AJ-821W	MG RESISTOR	820Ω 1/16W J	
R3740	NRSA6AJ-821W	MG RESISTOR	820Ω 1/16W J	
R3741	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R3744	NRSA6AD-561W	MG RESISTOR	560Ω 1/16W D	
R3745	NRSA6AD-152W	MG RESISTOR	1.5kΩ 1/16W D	
R3746	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R3747	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R3748	NRSA6AJ-474W	MG RESISTOR	470kΩ 1/16W J	
R4201	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J	
R4202	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R4203	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R4204	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R4205	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4206	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4901	NRSA6AJ-243W	MG RESISTOR	24kΩ 1/16W J	
R4902	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R4903	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R4904	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R4905	NRSA6AJ-153W	MG RESISTOR	15kΩ 1/16W J	
R4906	NRSA6AJ-564W	MG RESISTOR	560kΩ 1/16W J	
R4907	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R4908	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R4909	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R4910	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4911	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4912	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4917	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R4918	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R4923	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J	
R4924	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J	
R4935	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R4944	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4945	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R4951	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R4952	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R4953	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R4954	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R4955	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4956	NRSA6AJ-4R7W	MG RESISTOR	4.7Ω 1/16W J	
R4957	NRSA6AJ-4R7W	MG RESISTOR	4.7Ω 1/16W J	
R4959	NRSA6AJ-4R7W	MG RESISTOR	4.7Ω 1/16W J	
R4960	NRSA6AJ-4R7W	MG RESISTOR	4.7Ω 1/16W J	
R4961	NRSA6AJ-271W	MG RESISTOR	270Ω 1/16W J	
R5501	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R5502	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R5503	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R5504	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R5505	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R5506	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R5507	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R5508	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R5509	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R5510	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R6001	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R6005	NRSA6AD-303W	MG RESISTOR	30kΩ 1/16W D	
R6007	NRSA6AD-473W	MG RESISTOR	47kΩ 1/16W D	
R6008	NRSA6AD-823W	MG RESISTOR	82kΩ 1/16W D	
R6009	NRSA6AD-333W	MG RESISTOR	33kΩ 1/16W D	
⚠ R6010	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R6103	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R6104	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R6105	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J	
R6106	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R6107	NRSA6AD-243W	MG RESISTOR	24kΩ 1/16W D	
R6108	NRSA6AD-363W	MG RESISTOR	36kΩ 1/16W D	
R6110	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R6203	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R6204	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R6303	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R6304	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J	
R6305	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R6403	NRSA6AJ-273W	MG RESISTOR	27kΩ 1/16W J	
R6404	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R6503	NRSA6AD-823W	MG RESISTOR	82kΩ 1/16W D	
R6504	NRSA6AD-823W	MG RESISTOR	82kΩ 1/16W D	
R6505	NRSA6AJ-185W	MG RESISTOR	1.8MΩ 1/16W J	
R6506	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R6507	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J	
R6508	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R6512	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R6513	NRSA6AJ-272W	MG RESISTOR	2.7kΩ 1/16W J	
R6701	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R6702	NRV142F-R20X	CMF RESISTOR	0.2Ω 1/4W F	
R6704	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R6705	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R6706	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R6707	NRSA6AJ-152W	MG RESISTOR	1.5kΩ 1/16W J	
R6708	NRSA6AJ-153W	MG RESISTOR	15kΩ 1/16W J	
R6709	NRSA6AJ-114W	MG RESISTOR	110kΩ 1/16W J	
R6710	NRSA6AJ-124W	MG RESISTOR	120kΩ 1/16W J	
R6712	NRSA6AJ-561W	MG RESISTOR	560Ω 1/16W J	
R6713	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R6714	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R6715	NRSA6AD-472W	MG RESISTOR	4.7kΩ 1/16W D	
R6716	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R6717	NRSA6AD-183W	MG RESISTOR	18kΩ 1/16W D	
R6718	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R6802	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R6803	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R8001	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	B,C
R8002	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	B,C
R8008	NRSA6AJ-561W	MG RESISTOR	560Ω 1/16W J	B,C
R8009	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	B,C
R8011	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	B,C
R8012	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	B,C

MODEL	MARK
GR-DF430US	A
GR-DF450US	B
GR-DF470US	C

⚠ Symbol No.	Part No.	Part Name	Description	Local
R8015	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	B,C
R8016	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	B,C
R8017	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	B,C
R8019	NRSA6AJ-221W	MG RESISTOR	220Ω 1/16W J	B,C
R8021	NRSA6AJ-221W	MG RESISTOR	220Ω 1/16W J	B,C
R8022	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	B,C
R8023	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	B,C
R8025	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	B,C
R8031	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	B,C
R8032	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	B,C
R8033	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	B,C
R8036	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	B,C
R8041	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	B,C
R8042	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	B,C
R8043	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	B,C
R8046	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	B,C
R8050	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	B
R8050	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	C
R8051	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	B
R8051	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	C
R8052	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	B
R8053	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	B
R8054	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	B
R8055	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	C
R8056	NRSA6AJ-152W	MG RESISTOR	1.5kΩ 1/16W J	B
R8602	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	C
R8603	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	C
R8615	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	C
R8618	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	C
R8619	NRVA6AD-622W	CMF RESISTOR	6.2kΩ 1/16W D	C
R8621	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	B,C
R8622	NRSA6AJ-154W	MG RESISTOR	150kΩ 1/16W J	B,C
R8623	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	C
R8625	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	B
R8626	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	B
RA1001	NRZ0034-473W	NET RESISTOR	47kΩ 1/32W J	
RA1003	NRZ0034-104W	NET RESISTOR	100kΩ 1/32W J	
RA1004	NRZ0034-104W	NET RESISTOR	100kΩ 1/32W J	
RA3003	NRZ0034-100W	NET RESISTOR	10Ω 1/32W J	
RA3004	NRZ0034-100W	NET RESISTOR	10Ω 1/32W J	
RA3005	NRZ0034-100W	NET RESISTOR	10Ω 1/32W J	C
RA3006	NRZ0034-100W	NET RESISTOR	10Ω 1/32W J	C
RA3007	NRZ0034-100W	NET RESISTOR	10Ω 1/32W J	B,C
RA3008	NRZ0034-100W	NET RESISTOR	10Ω 1/32W J	B,C
RA3009	NRZ0034-100W	NET RESISTOR	10Ω 1/32W J	B,C
RA3010	NRZ0034-100W	NET RESISTOR	10Ω 1/32W J	B,C
RA3011	NRZ0034-100W	NET RESISTOR	10Ω 1/32W J	
RA3012	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J	
RA3201	NRZ0034-100W	NET RESISTOR	10Ω 1/32W J	
RA3202	NRZ0034-100W	NET RESISTOR	10Ω 1/32W J	
RA4201	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RA4202	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	
RA8001	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J	B,C
RA8002	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J	B,C
RA8003	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J	B,C
RA8004	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J	B,C
RA8005	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J	B,C
RA8601	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J	C
RA8602	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J	C
RA8605	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	C
RA8606	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J	C
L1001	NQLC32M-100X	COIL	10uH M	
L1002	NQLC32M-100X	COIL	10uH M	
L1701	NQL382M-100X	COIL	10uH M	
L1702	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	A
L1702	NQL382M-100X	COIL	10uH M	B,C
L2401	NQLC32M-100X	COIL	10uH M	
L2402	NQLC32M-100X	COIL	10uH M	
L2601	NQR0269-013X	FERRITE BEADS		
L2602	NQR0269-013X	FERRITE BEADS		
L2603	NQR0269-013X	FERRITE BEADS		
L2801	NQR0006-001X	FERRITE BEADS		B,C
L3001	NQLC32M-100X	COIL	10uH M	
L3002	NQR0006-001X	FERRITE BEADS		
L3003	NQR0006-001X	FERRITE BEADS		
L3004	NQLC32M-100X	COIL	10uH M	
L3005	NQR0006-001X	FERRITE BEADS		
L3007	NQR0006-001X	FERRITE BEADS		
L3008	NQLC32M-100X	COIL	10uH M	
L3009	NQR0006-001X	FERRITE BEADS		
L3010	NQL085J-120X	COIL	12uH J	
L3012	NQL085J-2R2X	COIL	2.2uH J	
L3201	NQR0129-002X	FERRITE BEADS		
L3202	NQR0129-002X	FERRITE BEADS		
L3203	NQR0006-001X	FERRITE BEADS		
L3204	NQLC32M-100X	COIL	10uH M	
L3501	NQR0006-001X	FERRITE BEADS		
L3502	NQLC32M-100X	COIL	10uH M	
L3503	NQR0006-001X	FERRITE BEADS		
L3504	NQR0006-001X	FERRITE BEADS		
L3505	NQR0006-001X	FERRITE BEADS		
L3701	NQLC32M-100X	COIL	10uH M	
L4201	NQR0129-002X	FERRITE BEADS		
L4202	NQLC32M-100X	COIL	10uH M	
L4901	NQR0129-002X	FERRITE BEADS		
L4902	NQL38DK-100X	P COIL	10uH K	
L4953	NQR0129-002X	FERRITE BEADS		
L4954	NQL38DK-100X	P COIL	10uH K	
L4955	NQL38DK-100X	P COIL	10uH K	
L5501	NQLC32M-100X	COIL	10uH M	
L5502	NQR0129-002X	FERRITE BEADS		
L5503	NQR0129-002X	FERRITE BEADS		
L5504	NQR0129-002X	FERRITE BEADS		
L5505	NQLC32M-100X	COIL	10uH M	
L5506	NQLC32M-100X	COIL	10uH M	
L5507	NQLC32M-100X	COIL	10uH M	
L5508	NQR0129-002X	FERRITE BEADS		
L6001	NQLZ012-4R7X	COIL	4.7uH	
L6002	NQLZ012-4R7X	COIL	4.7uH	
L6101	NQL87EN-390X	COIL	39uH N	
L6201	NQL87EN-390X	COIL	39uH N	
L6301	NQLZ012-470X	COIL	47uH	
L6401	NQLZ012-470X	COIL	47uH	
L6501	NQL52EM-221X	COIL	220uH M	
L6502	NQL38DK-100X	P COIL	10uH K	
L6701	NQL52EM-390X	COIL	39uH M	
L6702	NQL79GM-220X	COIL	22uH M	
L6801	NQL79GM-470X	COIL	47uH M	
L8001	NQR0129-002X	FERRITE BEADS		B,C
L8002	NQR0129-002X	FERRITE BEADS		B,C
L8003	NQR0129-002X	FERRITE BEADS		B,C
L8005	NQR0129-002X	FERRITE BEADS		B,C
L8006	NQR0006-001X	FERRITE BEADS		B,C
L8007	NQR0129-002X	FERRITE BEADS		B,C
L8008	NQL402M-100X	COIL	10uH M	B
L8601	NQR0129-002X	FERRITE BEADS		B,C
L8602	NQR0129-002X	FERRITE BEADS		C
L8603	NQR0006-001X	FERRITE BEADS		C
L8604	NQR0006-001X	FERRITE BEADS		C
L8606	NQLC32M-100X	COIL	10uH M	C
L8607	NQR0129-002X	FERRITE BEADS		C
L8610	NQR0536-001X	CHOKE COIL		B,C
CN101	QGF0549C2-20W	CONNECTOR	CCD FFC/FPC (1-20)	
CN102	QGF0549C1-22W	CONNECTOR	OP FFC/FPC (1-22)	
CN103	QGF0528F1-40X	CONNECTOR	REAR PWB FFC/FPC (1-40)	
CN104	QGF0530F3-30W	CONNECTOR	MDA PWB FFC/FPC (1-30)	
CN105	QGF0547C2-45X	CONNECTOR	MONI/OPE FFC/FPC (1-45)	
CN106	QGF0543F1-16X	CONNECTOR	SENSOR FFC/FPC (1-16)	
CN107	QGF0530F3-16W	CONNECTOR	FRONT FFC/FPC (1-16)	
CN108	QGF0530F3-14W	CONNECTOR	CAMERA OPE FFC/FPC (1-14)	
CN109	QGF0517F1-08X	CONNECTOR	HEAD FFC/FPC (1-8)	
CN112	QGA1001F1-02X	CONNECTOR	SPEAKER W-B (1-2)	
CN113	QGB0519J1-40X	CONNECTOR	JIG CN B-B (1-40)	
CN114	QGA1001F1-04X	CONNECTOR	INT MIC W-B (1-4)	
⚠ F6001	NMFZ007-2R5X-K	FUSE	2.5A 24V	
J101	QNZ0497-001	USB(B) CONNECTOR	USB USB(MINI-B)	B,C
J102	QNZ0732-001	D CONNECTOR	DV	
X1001	NAX0645-001X	CRYSTAL		
X1002	NAX0564-001X	CRYSTAL	32.768kHz	
X5501	NAX0587-001X	CXO	54.0000MHz	
X8001	NAX0398-001X	C OSCILLATOR		B
X8601	NAX0713-001X	CRYSTAL		C
OT1	LY34954-001B	SPACER(OP)	OP HOLD	
SD1	LY34802-001A	SHIELD CASE	PREREC	

MODEL	MARK
GR-DF430US	A
GR-DF450US	B
GR-DF470US	C

CCD BOARD ASSEMBLY <02>

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LYA10037-01C	CCD BOARD ASSY		
Q5001	2SC3931/CD/-X	TRANSISTOR		
Q5002	2SC4081/QR/-X	TRANSISTOR		
C5001	NBP41EM-475X-B	TA E CAPACITOR	4.7uF 25V M	
C5002	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5003	NBP21CM-106X	TA E CAPACITOR	10uF 16V M	
C5004	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5005	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5006	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5007	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
R5001	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R5002	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
L5001	NQL315K-100X	COIL	10uH K	
L5002	NQL315K-100X	COIL	10uH K	

MDA BOARD ASSEMBLY <03>

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LYA10030-01C	MDA BOARD ASSY		
IC1601	BD6637KV	IC	MDA 64PIN	
Q1601	UMC3N-W	DIGI TRANSISTOR	LD ON	
Q1601 or	XP03311-W	DIGI TRANSISTOR	LD ON	
D1603	DAP222-X	DIODE ARRAY	LD ON	
D1603 or	MA132WA-X	SI DIODE		
C1601	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1602	NBZ0015-106X	TA E CAPACITOR	10uF 6.3V M	
C1603	NBZ0015-106X	TA E CAPACITOR	10uF 6.3V M	
C1605	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C1606	NCBA1HK-152W	C CAPACITOR	1500pF 50V K	
C1607	NCBA1CK-473W	C CAPACITOR	0.047uF 16V K	
C1614	NBE91AM-475X	TA E CAPACITOR	4.7uF 10V M	
C1618	NCBA1HK-222W	C CAPACITOR	2200pF 50V K	
C1619	NCBA1HK-222W	C CAPACITOR	2200pF 50V K	
C1620	NCBA1HK-222W	C CAPACITOR	2200pF 50V K	
C1621	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C1622	NCBA1CK-223W	C CAPACITOR	0.022uF 16V K	
C1623	NCBA1AK-473W	C CAPACITOR	0.047uF 10V K	
C1624	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1625	NDCA1HJ-101W	C CAPACITOR	100pF 50V J	
C1626	NCBA1EK-472W	C CAPACITOR	4700pF 25V K	
C1627	NCBA1EK-472W	C CAPACITOR	4700pF 25V K	
C1628	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	
C1629	NCJ31EK-224X-A	C CAPACITOR	0.22uF 25V K	
C1630	NCJ31EK-224X-A	C CAPACITOR	0.22uF 25V K	
C1631	NBZ0015-106X	TA E CAPACITOR	10uF 6.3V M	
C1632	NCB21CK-474X	C CAPACITOR	0.47uF 16V K	
C1633	NCB30JK-474X	C CAPACITOR	0.47uF 6.3V K	
R1601	NRSA6AJ-681W	MG RESISTOR	680Ω 1/16W J	
R1602	NRSA6AJ-124W	MG RESISTOR	120kΩ 1/16W J	
R1603	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R1604	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1610	NRSA6AJ-391W	MG RESISTOR	390Ω 1/16W J	
R1611	NRSA6AJ-391W	MG RESISTOR	390Ω 1/16W J	
R1612	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1613	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1614	NRZ0072-R330X	MG RESISTOR	0.33Ω 1/4W F	
R1616	NRSA6AD-392W	MG RESISTOR	3.9kΩ 1/16W D	
R1617	NRZ0072-R330X	MG RESISTOR	0.33Ω 1/4W F	
R1620	NRSA6AJ-683W	MG RESISTOR	68kΩ 1/16W J	
R1621	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1622	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1624	NRSA6AD-183W	MG RESISTOR	18kΩ 1/16W D	
R1625	NRSA6AD-681W	MG RESISTOR	680Ω 1/16W D	
R1629	NRSA6AJ-564W	MG RESISTOR	560kΩ 1/16W J	
R1635	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R1636	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J	
R1637	NRSA6AJ-154W	MG RESISTOR	150kΩ 1/16W J	
L1601	NQL382M-100X	COIL	10uH M	
CN301	QGF0530F3-18W	CONNECTOR	CAPSTAN FFC/FPC (1-18)	
CN302	QGF0532F2-11X	CONNECTOR	DRUM MOTOR FFC/FPC (1-11)	
CN303	QGF0530F3-06W	CONNECTOR	R.ENCODER FFC/FPC (1-6)	
CN304	QGF0517F2-06X	CONNECTOR	LOAD.MOTOR FFC/FPC (1-6)	
CN305	QGF0530F3-30W	CONNECTOR	MAIN PWB FFC/FPC (1-30)	
⚠ F1601	NMFZ007-R20X-K	FUSE	0.2A 50V	
⚠ F1602	NMFZ007-R50X-K	FUSE	0.5A 50V	
OT1	LY44587-001B	SHEET(MDA)	MECHA	
OT2	LY30034-080A	SPACER(A)	IC1601	
OT3	LY30034-051A	SPACER(A)	CN301	
WR1	WJT0180-001B-E	E-CARD WIRE	MAIN PWB	

FRONT BOARD ASSEMBLY <04>

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LYA10031-01A	FRONT BOARD ASSY		
IC401	RPM7138-SV4	IR DETECT UNIT	IR_SENSOR	
Q401	RPM-22PB	PHOTO TRANSISTOR	W/B	
Q402	BC847PN-X	PAIR TRANSISTOR		
Q403	BC847PN-X	PAIR TRANSISTOR		
Q404	2SC4617/RS/-X	TRANSISTOR		
Q404 or	BC847BT-X	TRANSISTOR		
Q404 or	2SD2216J/RS/-X	TRANSISTOR		
D401	UDZS6.8B-X	Z DIODE	EXT MIC	
D402	EW5806X/3LMH/	LED		
D403	EW5806X/3LMH/	LED		
C401	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C402	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C405	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C406	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
R401	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R402	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R403	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R404	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R405	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R406	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J	
R407	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R408	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J	
R409	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R410	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
L401	NQR0265-001X	FERRITE BEADS		
L402	NQR0269-013X	FERRITE BEADS		
L403	NQR0269-013X	FERRITE BEADS		
L404	NQR0269-013X	FERRITE BEADS		
CN401	QGF0530F3-16W	CONNECTOR	FFC/FPC (1-16)	
J401	QNS0147-001	3.5 JACK	EXT MIC	
S401	NSW0150-001X	PUSH SWITCH	EJECT SW	
OT1	LY30034-0T6A	SPACER(A)		

REAR BOARD ASSEMBLY <05>

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LYA10032-02B	REAR BOARD ASSY		A
PW1	LYA10032-01B	REAR BOARD ASSY		B,C
D501	EMZ6.8N-X	Z DIODE	BATT	
D502	UDZS6.8B-X	Z DIODE	ADP_L	

MODEL	MARK
GR-DF430US	A
GR-DF450US	B
GR-DF470US	C

⚠ Symbol No.	Part No.	Part Name	Description	Local
D502 or	MA8068-X	Z DIODE	ADP_L	
D503	UDZS6.8B-X	Z DIODE	P_DET	
D503 or	MA8068-X	Z DIODE	P_DET	
C501	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C502	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C506	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C901	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	B,C
C902	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	B,C
R501	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R502	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R901	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	B,C
R902	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	B,C
R903	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	B,C
R904	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	B,C
R905	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	B,C
R906	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	B,C
R907	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	B,C
L501	NQR0251-004X	FERRITE BEADS		
L502	NQR0251-004X	FERRITE BEADS		
L503	NQR0251-004X	FERRITE BEADS		
L901	NQR0006-001X	FERRITE BEADS		B,C
CN501	QGF0528F1-40X	CONNECTOR	MAIN PWB FFC/FPC (1-40)	
CN901	NNZ0104-001X	SD CARD CONNE	SD	B,C
J501	QNA0039-001	DC JACK	DC JACK	
J502	QNS0147-003	3.5 JACK	AV OUT	
OT1	LY34726-001A	BATT. TERMINAL		
WR1	QUQ105-4006AA-E	FFC WIRE	FPC 40pin 6cm	

MONI OPE BOARD ASSEMBLY <06>

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LYA10033-02A	MONI OPE BOARD ASSY		A
PW1	LYA10033-01A	MONI OPE BOARD ASSY		B,C
IC7801	AN2540FHQ	IC		
Q7801	PUMX1-W	PAIR TRANSISTOR		
Q7801 or	BC847S-X	PAIR TRANSISTOR		
Q7801 or	UMX1N-W	PAIR TRANSISTOR		
Q7802	EMX1-W	TRANSISTOR		
Q7803	EMX1-W	TRANSISTOR		
Q7804	EMX1-W	TRANSISTOR		
Q7805	PUMX1-W	PAIR TRANSISTOR		
Q7805 or	BC847S-X	PAIR TRANSISTOR		
Q7805 or	UMX1N-W	PAIR TRANSISTOR		
Q7806	XP4311-W	TRANSISTOR		
Q7806 or	UMD3N-W	DIGI TRANSISTOR		
D601	MA8068-X	Z DIODE	S_DET	
D601 or	UDZS6.8B-X	Z DIODE		
C7801	NBE90JM-106X	TA E CAPACITOR	10uF 6.3V M	
C7802	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C7803	NBE90JM-106X	TA E CAPACITOR	10uF 6.3V M	
C7804	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C7805	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C7806	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C7807	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C7812	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C7813	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C7814	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C7815	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C7816	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C7817	NCBA1HK-152W	C CAPACITOR	1500pF 50V K	
C7819	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C7824	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C7825	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C7826	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C7827	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C7828	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C7831	NBE90JM-106X	TA E CAPACITOR	10uF 6.3V M	
C7832	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C7833	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C7834	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C7835	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C7836	NCB20JK-475X	C CAPACITOR	4.7uF 6.3V K	
C7837	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C7838	NCB20JK-475X	C CAPACITOR	4.7uF 6.3V K	
C7839	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C7840	NCB20JK-475X	C CAPACITOR	4.7uF 6.3V K	
C7841	NCB21CK-105X	C CAPACITOR	1uF 16V K	
R601	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	B,C
R602	NRSA6AJ-682W	MG RESISTOR	6.8kΩ 1/16W J	B,C
R604	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R605	NRSA6AJ-682W	MG RESISTOR	6.8kΩ 1/16W J	
R606	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J	
R7803	NRSA6AD-622W	MG RESISTOR	6.2kΩ 1/16W D	
R7804	NRSA6AD-153W	MG RESISTOR	15kΩ 1/16W D	
R7805	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R7806	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R7811	NRSA6AD-122W	MG RESISTOR	1.2kΩ 1/16W D	
R7812	NRSA6AD-823W	MG RESISTOR	82kΩ 1/16W D	
R7815	NRSA6AD-472W	MG RESISTOR	4.7kΩ 1/16W D	
R7816	NRSA6AD-203W	MG RESISTOR	20kΩ 1/16W D	
R7818	NRSA6AD-223W	MG RESISTOR	22kΩ 1/16W D	
R7819	NRSA6AD-822W	MG RESISTOR	8.2kΩ 1/16W D	
R7820	NRSA6AD-123W	MG RESISTOR	12kΩ 1/16W D	
R7821	NRSA6AD-222W	MG RESISTOR	2.2kΩ 1/16W D	
R7822	NRSA6AD-222W	MG RESISTOR	2.2kΩ 1/16W D	
R7823	NRSA6AJ-682W	MG RESISTOR	6.8kΩ 1/16W J	
R7824	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R7825	NRSA6AD-123W	MG RESISTOR	12kΩ 1/16W D	
R7826	NRSA6AD-222W	MG RESISTOR	2.2kΩ 1/16W D	
R7827	NRSA6AD-222W	MG RESISTOR	2.2kΩ 1/16W D	
R7828	NRSA6AJ-682W	MG RESISTOR	6.8kΩ 1/16W J	
R7829	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R7830	NRSA6AD-123W	MG RESISTOR	12kΩ 1/16W D	
R7831	NRSA6AD-222W	MG RESISTOR	2.2kΩ 1/16W D	
R7832	NRSA6AD-222W	MG RESISTOR	2.2kΩ 1/16W D	
R7833	NRSA6AJ-682W	MG RESISTOR	6.8kΩ 1/16W J	
R7834	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R7835	NRSA6AD-103W	MG RESISTOR	10kΩ 1/16W D	
R7836	NRSA6AD-103W	MG RESISTOR	10kΩ 1/16W D	
R7837	NRSA6AD-103W	MG RESISTOR	10kΩ 1/16W D	
R7838	NRSA6AD-103W	MG RESISTOR	10kΩ 1/16W D	
R7839	NRSA6AD-103W	MG RESISTOR	10kΩ 1/16W D	
R7840	NRSA6AD-103W	MG RESISTOR	10kΩ 1/16W D	
R7844	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R7845	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L601	NQR0251-004X	FERRITE BEADS		
L602	NQR0251-004X	FERRITE BEADS		
L7801	NQL38DK-220X	P COIL	22uH K	
L7802	NQL38DK-220X	P COIL	22uH K	
L7803	NQL38DK-220X	P COIL	22uH K	
L7804	NQL38DK-220X	P COIL	22uH K	
L7805	NQL38DK-220X	P COIL	22uH K	
⚠ BT601	QAB0069-001	LITHIUM BATTERY		
CN601	QGF0528F1-45X	CONNECTOR	MAIN PWB FFC/FPC (1-45)	
CN602	QGF0503F4-24X	CONNECTOR	MONI FPC FFC/FPC (1-24)	
CN603	QGF0549C1-16W	CONNECTOR	VF FPC FFC/FPC (1-16)	
J601	QND0078-001	S JACK	S JACK	
S601	NSW0099-001X	SLIDE SWITCH	VIDEO/DSC	B,C
S602	NSW0161-001X	DETECT SWITCH	MONITOR	
S603	NSW0198-001X	TACT SWITCH		B,C
S604	NSW0198-001X	TACT SWITCH		B,C
S605	NSW0198-001X	TACT SWITCH		B,C
S606	NSW0198-001X	TACT SWITCH		
S607	NSW0198-001X	TACT SWITCH		
S608	NSW0198-001X	TACT SWITCH		
S609	NSW0198-001X	TACT SWITCH		
S610	NSW0198-001X	TACT SWITCH		
S611	NSW0198-001X	TACT SWITCH		
WR1	WJT0182-001A-E	E-CARD WIRE		

MODEL	MARK
GR-DF430US	A
GR-DF450US	B
GR-DF470US	C

MONI BL BOARD ASSEMBLY <07>

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LYA10034-01B	MONI BL BOARD ASSY		
IC7701	DN8797MS-X	IC		
Q7701	DTC144EE-X	DIGI TRANSISTOR		
Q7701 or	BCR148T-X	DIGI TRANSISTOR		
Q7701 or	UN9213J-X	DIGI TRANSISTOR		
Q7701 or	PDTC144EE-X	DIGI TRANSISTOR		
Q7702	DTA144EE-X	DIGI TRANSISTOR		
Q7702 or	BCR198T-X	DIGI TRANSISTOR		
Q7702 or	UN9113J-X	DIGI TRANSISTOR		
Q7702 or	PDTA144EE-X	DIGI TRANSISTOR		
Q7703	2SD1664/QR/-W	TRANSISTOR		
Q7703 or	STD1664/OY/-W	TRANSISTOR		
Q7704	2SD1664/QR/-W	TRANSISTOR		
Q7704 or	STD1664/OY/-W	TRANSISTOR		
C7701	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C7702	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C7703	NCZ1058-273X	C CAPACITOR	0.027uF	
C7704	NCZ1016-150X	C CAPACITOR	15pF 2kV J	
C7705	NCZ1016-180X	C CAPACITOR	18pF 2kV J	
C7751	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C7752	NCBA1HK-471W	C CAPACITOR	470pF 50V K	
C7753	NBE90JM-106X	TA E CAPACITOR	10uF 6.3V M	
C7754	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C7755	NBE90JM-106X	TA E CAPACITOR	10uF 6.3V M	
C7756	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C7757	NBE90JM-106X	TA E CAPACITOR	10uF 6.3V M	
C7758	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C7759	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C7760	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C7761	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C7762	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C7763	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C7764	NBE90JM-106X	TA E CAPACITOR	10uF 6.3V M	
C7765	NBE20JM-476X	TA E CAPACITOR	47uF 6.3V M	
C7766	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C7767	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C7768	NBP21CM-106X	TA E CAPACITOR	10uF 16V M	
C7769	NCB31CK-105X	C CAPACITOR	1uF 16V K	
R7701	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R7702	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R7703	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R7752	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R7753	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R7754	NRSA6AJ-124W	MG RESISTOR	120kΩ 1/16W J	
R7755	NRSA6AJ-683W	MG RESISTOR	68kΩ 1/16W J	
R7756	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R7757	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R7758	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R7759	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
L7701	NQLB8EM-220X	COIL	22uH M	
L7702	NQLB8EM-680X	COIL	68uH M	
L7751	NQL382M-100X	COIL	10uH M	
L7752	NQL382M-100X	COIL	10uH M	
T7701	NQS0062-001X	SW TARNSF		
CN701	QGF0530F3-12W	CONNECTOR	MAIN FFC/FPC (1-12)	
CN702	QGF0530F3-12W	CONNECTOR	MAIN FFC/FPC (1-12)	
CN703	QGF0528F1-40X	CONNECTOR	LCD FFC/FPC (1-40)	
⚠ F7701	NMFZ007-R40X-K	FUSE	0.4A 50V	
SD1	LY44966-001A	SHIELD(TRANS)		
WR1	QAL0687-001	FPC	FPC	

VF BOARD ASSEMBLY <08>

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LYA10035-01B	VF BOARD ASSY		
Q7101	2SC4617/QR/-X	TRANSISTOR		
Q7101 or	2SC4738/YG/-X	TRANSISTOR		
Q7101 or	2SD2216J/QR/-X	TRANSISTOR		
Q7101 or	BC847BT-X	TRANSISTOR		
D7101	E1S35AW0C501-X	LED		
C7101	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7102	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7103	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C7104	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
R7101	NRSA63D-682X	MG RESISTOR	6.8kΩ 1/16W D	
R7102	NRSA63D-272X	MG RESISTOR	2.7kΩ 1/16W D	
R7103	NRSA63D-820X	MG RESISTOR	82Ω 1/16W D	
R7104	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D	
R7105	NRSA63D-563X	MG RESISTOR	56kΩ 1/16W D	
R7106	NRSA63D-163X	MG RESISTOR	16kΩ 1/16W D	
R7107	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R7108	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7109	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
CN7101	QGF0530F3-14W	CONNECTOR	MAIN FFC/FPC (1-14)	
CN7102	QGF0530F3-15W	CONNECTOR	LCD FFC/FPC (1-15)	